

# Human IgG-heavy and light chain Antibody

F(ab')<sub>2</sub> Goat Polyclonal

Antigen Affinity Purified

Catalog No. A80-147A

Lot No. A80-147A-2



|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                    |                      |                 |                     |                 |       |                                                      |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|----------------------|-----------------|---------------------|-----------------|-------|------------------------------------------------------|
| <b>APPLICATIONS</b>          | WB, IHC, ICC, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>SPECIES REACTIVITY</b>    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>ISOTYPE</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>AMOUNT</b>                | 1 ml at 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8° C / 1 year from date of receipt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>PHYSICAL STATE</b>        | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>BUFFER</b>                | Phosphate Buffered Saline (PBS) containing 0.09% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>ORIGIN</b>                | USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>PRODUCTION PROCEDURES</b> | <p>The antibody to human IgG was isolated by affinity chromatography using antigen coupled to agarose beads. F(ab')<sub>2</sub> fragments were generated using a pepsin digestion. Fc fragments and whole IgG molecules have been removed.</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> <p>By immunoelectrophoresis and ELISA this antibody reacts specifically with human IgG and with light chains common to other human immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. This antibody may cross react with IgG from other species.</p> |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:1,000 – 1:30,000</td></tr><tr><td>Immunohistochemistry</td><td>1:200 – 1:2,000</td></tr><tr><td>Immunocytochemistry</td><td>1:200 – 1:2,000</td></tr><tr><td>ELISA</td><td>1:1,000 – 1:30,000; for coating plates 1:100 – 1:500</td></tr></table>                                                                                                                                                                                  | Western Blot | 1:1,000 – 1:30,000 | Immunohistochemistry | 1:200 – 1:2,000 | Immunocytochemistry | 1:200 – 1:2,000 | ELISA | 1:1,000 – 1:30,000; for coating plates 1:100 – 1:500 |
| Western Blot                 | 1:1,000 – 1:30,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                    |                      |                 |                     |                 |       |                                                      |
| Immunohistochemistry         | 1:200 – 1:2,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                    |                      |                 |                     |                 |       |                                                      |
| Immunocytochemistry          | 1:200 – 1:2,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                    |                      |                 |                     |                 |       |                                                      |
| ELISA                        | 1:1,000 – 1:30,000; for coating plates 1:100 – 1:500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>APPLICATION NOTES</b>     | Not all listed applications have been specifically tested by our laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                    |                      |                 |                     |                 |       |                                                      |
| <b>ADDITIONAL INFO</b>       | <p><a href="http://www.bethyl.com/product/A80-147A">http://www.bethyl.com/product/A80-147A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                    |                      |                 |                     |                 |       |                                                      |