



## CAT IgG Fab fragment (BULK ORDER) - 002-0105

**Code:** 002-0105

**Size:** 5 mg

**Product Description:** CAT IgG Fab fragment (BULK ORDER) - 002-0105

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |   |
|-------------------------------|---|
| <b>Label</b>                  | Unconjugated  |
| <b>Buffer</b>                 | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  |
| <b>Reconstitution Volume</b>  | 5.0 mL  |
| <b>Reconstitution Buffer</b>  | Restore with deionized water (or equivalent)  |
| <b>Stabilizer</b>             | None  |
| <b>Preservative</b>           | 0.01% (w/v) Sodium Azide  |
| <b>Storage Condition</b>      | Store vial at 4° C prior to restoration. Restore with 5.0 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.   |
| <b>Synonyms</b>               | Cat IgG Fab fragment  |
| <b>Application Note</b>       | CAT IgG F(ab) can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.   |
| <b>Background</b>             | Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present. |
| <b>Purity And Specificity</b> | This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Cat IgG, anti-Cat IgG F(ab') <sub>2</sub> and anti-Cat Serum. No reaction was observed against anti-Cat IgG F(c) or anti-Papain.   |
| <b>Assay Dilutions</b>        | User Optimized  |
| <b>Other Assays</b>           | User Optimized  |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.   |

### Related Products

|          |   |
|----------|---|
| 010-0102 | MOUSE IgG whole molecule - 010-0102   |
| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302       |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302        |
| BSA-50   | BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50 |

### Disclaimer

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