



## BOVINE IgG F(ab')<sub>2</sub> fragment Rhodamine conjugated - 001-0004

**Code:** 001-0004

**Size:** 1 mg

**Product Description:** BOVINE IgG F(ab')<sub>2</sub> fragment Rhodamine conjugated - 001-0004

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

**PhysicalState:** Lyophilized

<b>Label</b>	Rhodamine (TRITC)
<b>Emission Wavelength</b>	570
<b>Excitation Wavelength</b>	550
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/ml Polyethylene Glycol (PEG-8000)
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to restoration. 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>	Bovine IgG F(ab') <sub>2</sub> Rhodamine conjugated, Bovine IgG F(ab') <sub>2</sub> TRITC conjugated, Bovine IgG Fab2 Rhodamine conjugated, Bovine IgG Fab2 TRITC conjugated
<b>Application Note</b>	BOVINE IgG F(ab') <sub>2</sub> fragment Rhodamine conjugated is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
<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 complement cascade, and opsinization for phagocytosis. This product possesses the F(ab') <sub>2</sub> fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region.
<b>Purity And Specificity</b>	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Bovine IgG, anti-Bovine IgG F(ab') <sub>2</sub> and anti-Bovine Serum. No reaction was observed against anti-Bovine IgG F(c) or anti-Pepsin.
<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.
<b>Related Products</b>	

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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