



## BOVINE IgG F(ab')<sub>2</sub> fragment Peroxidase conjugated - 001-0304

**Code:** 001-0304

**Size:** 1 mg

**Product Description:** BOVINE IgG F(ab')<sub>2</sub> fragment Peroxidase conjugated - 001-0304

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

**PhysicalState:** Lyophilized

<b>Label</b>	Peroxidase (Horseradish)
<b>Buffer</b>	0.01 M Sodium 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 Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	None
<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> Peroxidase conjugation, Bovine IgG F(ab') <sub>2</sub> HRP conjugation, Peroxidase conjugated Bovine IgG Fab <sub>2</sub> , HRP conjugated Bovine IgG Fab <sub>2</sub>
<b>Application Note</b>	BOVINE IgG F(ab') <sub>2</sub> fragment Peroxidase conjugated is designed 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 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-Peroxidase, 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>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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