

**Bovine IgG F(ab')<sub>2</sub> Rabbit Polyclonal**  
**ATS-SELECT SECONDARY ANTIBODY**

**Catalog Number:** AS-074  
**Quantity:** 50 milligrams  
**Format:** IgG, Lyophilized  
**Host:** Rabbit  
**Immunogen:** Bovine IgG F(ab')<sub>2</sub> fragment

**Background:** 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 opsonization 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.

**Specificity & Preparation:** This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Bovine IgG, Bovine IgG F(ab')<sub>2</sub> and Bovine Serum. No reaction was observed against Bovine IgG F(c).

**Usage:** BOVINE IgG F(ab')<sub>2</sub> fragment antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

ELISA 1:20,000 - 1:100,000

Immunohistochemistry 1:1,000 - 1:5,000

Western Blot 1:2,000 - 1:10,000

Working dilutions must be determined by end user.

**Storage:** Restore with deionized water (or equivalent), 5.0 mL. 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. Expiration date is one (1) year from date of receipt.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*