

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

**Catalog Number:** AS-213  
**Quantity:** 2 milligrams  
**Format:** IgG, Liquid (sterile filtered)  
**Host:** Goat  
**Immunogen:** Human IgG F(ab')<sub>2</sub> fragment was produced by repeated immunization with Human IgG F(ab')<sub>2</sub> fragment in goat.

**Background:** Anti-Human IgG F(ab')<sub>2</sub> Antibody generated in goat recognizes the dimeric Fab portion of the human IgG molecule. Human IgG F(ab')<sub>2</sub> is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab')<sub>2</sub> molecules lack the Fc portion of IgG and therefore receptors that bind human IgG F(c) will not bind human IgG F(ab')<sub>2</sub> molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Human IgG F(ab')<sub>2</sub> fragment antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.

**Specificity & Preparation:** Anti-Human IgG F(ab')<sub>2</sub> (GOAT) was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Human IgG, Human IgG F(ab')<sub>2</sub> and Human Serum. No reaction was observed against Human IgG F(c).

**Usage:** Anti-Human IgG F(ab')<sub>2</sub> fragment has been tested by dot blot and ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

ELISA 1:14,000 - 1:30,000

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

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

Working dilutions must be determined by end user.

**Storage:** Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. 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)*