

**F(ab')₂ Human IgG (H&L) Donkey Polyclonal Pre-Adsorbed
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-335
Quantity: 500 micrograms
Format: IgG F(ab')₂, Liquid (sterile filtered)
Host: Donkey
Immunogen: Human IgG whole molecule

Background: F(ab')₂ Anti-Human IgG (H&L) Antibody generated in donkey detects immunoglobulin g from human, both heavy and light chains of the antibody molecule are present. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. F(ab')₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Specificity & Preparation: This product 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, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Human IgG, and Human Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c), or Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Mouse, Rabbit, Rat, and Sheep Serum Proteins.

Usage: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10⁶ cells in flow cytometry is approximately 1.0 µg of antibody. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.

ELISA 1:20,000

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 -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