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## TECHNICAL INFORMATION

Catalog Number: 55487

### Goat Affinity Purified F(ab')<sub>2</sub> Fragment To Mouse IgG (Whole Molecule)

**DESCRIPTION:** Product is goat affinity purified F(ab')<sub>2</sub> fragments to mouse IgG (whole molecule) and buffer salts.

The affinity purified F(ab')<sub>2</sub> fragment is prepared from the specific goat IgG fraction by limited digestion with pepsin and solid phase absorption. The resulting affinity purified F(ab')<sub>2</sub> fragment is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

**USES:** This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoadsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. These affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors.

See **Related Product Ordering Information**.

**SPECIFICATIONS:** The total protein is measured by absorbance (A<sub>280nm</sub>). Antibody titer is standardized by equivalence-point precipitation. Each affinity purified F(ab')<sub>2</sub> fragment is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat F(ab')<sub>2</sub>; no trace of albumin, whole molecule IgG or Fc is detected. It shows reactivity to mouse IgG; cross-reactivity to other species may exist. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to non-immunoglobulin serum proteins is not present.

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55435 GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML  
55455 IGG GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)5ML  
55468 F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2ML  
55477 FAB GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)5ML  
55479 AFF.PUR. GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2MG  
55581 AFF.PUR. GOAT ANTI-MOUSE IGG (WM) AFF. GEL2ML  
55939 PURIFIED MOUSE IGG20MG  
55960 MOUSE IGG AFFINITY GEL2ML

**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that](#)

any information given above is primary application data. The general applications charts should only be used as a reference.