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## TECHNICAL INFORMATION

Catalog Number: 55474

### Goat F(ab')<sub>2</sub> Fragment To Mouse Complement C3

**DESCRIPTION:** Product is the lyophilized powder of goat F(ab')<sub>2</sub> fragment to mouse complement C3 and buffer salts.

The F(ab')<sub>2</sub> fragment is prepared from the specific goat IgG fraction by limited digestion with pepsin, and purified by gel filtration or affinity chromatography. The resulting 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, vialled and lyophilized.

**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. 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 using the Biuret procedure, with bovine albumin as a standard. Antibody titer of the IgG fraction is standardized by equivalence-point precipitation. F(ab')<sub>2</sub> fragments are tested for purity and specificity at a minimum of 20 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 C3; cross-reactivity to other species may exist. Antibody activity to other serum proteins is not present.

**RECONSTITUTION:** Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55444 (01110601)GOAT ANTI-MOUSE COMPLEMENT C3 2ML  
55463 (02110601)IGG GOAT ANTI-MOUSE COMPLEMENT C35ML  
55500 (12110601)FITC GOAT ANTI-MOUSE COMPLEMENT C32ML  
55510 (13110601)FITC F(AB')<sub>2</sub> GOAT ANTI-MOUSE COMPLEMENT C32ML  
55557 (32110601)HRP GOAT ANTI-MOUSE COMPLEMENT C32ML  
55860 (00110620)POOLED MOUSE COMPLEMENT 1ML

**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.