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## TECHNICAL INFORMATION

Catalog Number: 55665

### Fluorescein-Conjugated Goat Affinity Purified F(ab')<sub>2</sub> Fragment To Rabbit IgG (Whole Molecule)

**DESCRIPTION:** Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified F(ab')<sub>2</sub> fragments to rabbit IgG (whole molecule) and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 10% glycerol (v/v), adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

**USES:** This product is suitable for use as a reagent in immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, and blot immunostaining. Use of affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals; these F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors.

#### SUGGESTED WORKING DILUTIONS:

1:40 - 1:200 for Tissue Staining  
1:100 - 1:400 for Immunoblotting  
1:500 - 2,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay.**

See **Related Product Ordering Information**.

**SPECIFICATIONS:** The total protein is measured by absorbance (A<sub>280nm</sub>); F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the affinity purified F(ab')<sub>2</sub> fragments is standardized by equivalence-point precipitation. The 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. This product shows reactivity to rabbit 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

55602 GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML  
55622 IGG GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)5ML  
55636 F(AB')<sub>2</sub> GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML  
55640 FAB GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)5ML  
55641 AFF.PUR. GOAT ANTI-RABBIT IGG (WHOLE MOLECULE) 2MG  
55644 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-RABBIT IGG (WM)2MG  
55646 FITC GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML  
55696 AFF.PUR. GOAT ANTI-RABBIT IGG (WM) AFF. GEL2ML  
55944 PURIFIED RABBIT IGG50MG  
55984 NORMAL GOAT SERUM2ML

**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.](#)