



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

Catalog Number: 55755

Fluorescein-Conjugated Goat IgG Fraction To Rat IgG (No Cross To Mouse)

DESCRIPTION: Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to rat IgG (no cross to mouse) 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, adjusted to standard titer, filtered through a 0.22 µm filter, vialled, and lyophilized.

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. (Note: Affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

SPECIFICATIONS: The total protein is measured using the Biuret procedure with bovine albumin as the standard; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized by equivalence-point precipitation. The IgG fraction is tested for purity and specificity at 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. This product shows reactivity to rat IgG. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to mouse IgG or rat non-immunoglobulin 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

55721GOAT ANTI-RAT IGG (NO X MOUSE)2ML
55735IGG GOAT ANTI-RAT IGG (NO X MOUSE)5ML
55741AFFINITY PURIFIED GOAT ANTI-RAT IGG (NO X MOUSE)2MG
55778HRP GOAT ANTI-RAT IGG (NO X MOUSE) 2ML
56408FITC AFF.PUR. GOAT ANTI-RAT IGG (NO X MOUSE) 2MG
59301AKP AFF.PUR. GOAT ANTI-RAT IGG (NO X MOUSE)1ML
55951PURIFIED RAT IGG 20MG
55984NORMAL 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.](#)