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Certificate of Analysis

cappel

**FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO
HUMAN ALPHA-2-MACROGLOBULIN - 2ML**
Catalog #: 55165
Lot #: 06033

Total Protein: 17.1 mg/ml
F/P Ratio: 4.2 mol/mol
Antibody Protein: 6 mg/ml

DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human alpha-2-macroglobulin 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 0.05% sodium azide, 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.

See **Related Product Ordering Information**.

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 human alpha-2-macroglobulin; cross-reactivity to other species may exist. Antibody activity to other serum proteins is not present.

DILUTION RECOMMENDATIONS:

1:100 - 1:400 for Tissue Staining
1:250 - 1:1,000 for Immuno Blotting
1:1,000 - 1:4,000 for ELISA/FIA

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.

STORAGE:

Store lyophilized product at 2-8°C. Store reconstituted material no longer than 4 weeks at 2-8°C. For long-term storage, aliquot and freeze reconstituted product at -20°C or lower.

WARNING AND CAUTION:

This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55031 (02010461)IGG GOAT ANTI-HUMAN ALPHA-2-MACROGLOBULIN5ML
55113 (01010461)GOAT ANTI-HUMAN ALPHA-2-MACROGLOBULIN 2ML
55833 (00010460)PURIFIED HUMAN ALPHA-2-MACROGLOBULIN 5MG
55984 (50061380)NORMAL GOAT SERUM2ML
40030BOSERAL PUR10GM

Approved by: *Robert Beattie*
Quality Control Director

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OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**