



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

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

Certificate of Analysis

cappel

**GOAT IGG FRACTION TO β -GALACTOSIDASE
(NO CROSS TO *E. COLI*) - 2ML
Catalog #: 56031
Lot #: 05721**

Total Protein: 32.3 mg/ml
Antibody Protein: 3 mg/ml

DESCRIPTION:

Product is goat IgG fraction to β -galactosidase (no cross to *E. coli*) and buffer salts.

The antibody is produced by hyperimmunizing goats with the enzyme β -galactosidase from *Escherichia coli*. The IgG fraction is prepared by delipidation, ammonium sulfate fractionation, and anion exchange chromatography, and is further purified by solid-phase absorption to remove antibodies to non- β -galactosidase *E. coli* proteins. 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 μ m filter, and vialled. No preservative is added.

USES:

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

This product is specially prepared for the detection and purification of recombinant proteins. This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining.

SUGGESTED WORKING DILUTIONS

1:50 - 1:200 for Tissue Staining
1:100 - 1:500 for Immunoblotting
1:400 - 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 using the Biuret procedure, with bovine albumin as a standard. Antibody titer is standardized by equivalence-point precipitation. The IgG fraction is tested for purity at 20 mg/ml using immunoelectrophoresis. The product is predominantly goat IgG; no trace of albumin is detected. It shows reactivity to β -galactosidase and is tested by Western or dot blot to ensure monospecificity using lysates of D-lac and strain 3.3 of *E. coli*. A 1:200 dilution of antibody detects 1 - 40 μ g of β -GALACTOSIDASE on a dot blot using peroxidase/DAB detection with no reaction to other *E. Coli* proteins detected.

STORAGE:

Store unopened product at 2-8°C. For long term storage, aliquot and freeze at -20°C. AVOID REPEATED FREEZING AND THAWING.

WARNING AND CAUTION:

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

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55978RABBIT ANTI- β -GALACTOSIDASE AFFINITY GEL2ML
55976RABBIT IGG ANTI-b-GALACTOSIDASE 2ML
(NO CROSS TO E. COLI)
56028GOAT IGG ANTI-b-GALACTOSIDASE1ML
(NO CROSS TO E. COLI)
56030GOAT IGG ANTI-b-GALACTOSIDASE2ML
(NO CROSS TO E. COLI) FITC CONJUGATED
56029GOAT IGG ANTI-b-GALACTOSIDASE2ML
(NO CROSS TO E. COLI) HRP CONJUGATED

For fluorochrome, enzyme and biotin-conjugated secondary antibodies, please see our catalog.

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.**