



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

cappel

Catalog Number: 55740

Goat Affinity Purified Antibody To Rat IgG (Whole Molecule)

DESCRIPTION: Product is goat affinity purified antibody to rat IgG (whole molecule) and buffer salts.

The affinity purified antibody is prepared from the specific goat IgG fraction by solid phase absorption. The resulting affinity purified antibody 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, and vialled.

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. These affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

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

SPECIFICATIONS: The total protein is measured by absorbance (A_{280nm}). Antibody titer is standardized by equivalence-point precipitation. Each affinity purified antibody is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat IgG; no trace of albumin is detected. It shows reactivity to rat 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

55703 GOAT ANTI-RAT IGG (WHOLE MOLECULE)2ML
55722 IGG GOAT ANTI-RAT IGG (WHOLE MOLECULE)5ML
55736 F(AB')₂ GOAT ANTI-RAT IGG (WHOLE MOLECULE)2ML
55744 AFFINITY PURIFIED F(AB')₂ GOAT ANTI-RAT IGG (WM)2MG
55951 PURIFIED RAT IGG 20MG
55786 AFF.PUR. GOAT ANTI-RAT IGG (WM) AFF. GEL2ML

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.](#)