CHEMICON® INTERNATIONAL

GOAT ANTI-MOUSE IgM+IgG+IgA(H+L) BIOTIN CONJUGATED, SPECIES ADSORBED: HUMAN POLYCLONAL ANTIBODY

CATALOG NUMBER:	**AP501B**	**QUANTITY:**	1.0 mg
LOT NUMBER:	xxx	**CONCENTRATION:**	xxx
EPITOPE:	Mouse IgM, IgG, IgA	**HOST/ISOTYPE:**	Goat

BACKGROUND: IgG is the most abundant immunoglobulin compose of two heavy chains and two light chains. Each molecule has two antigen binding sites. IgG has 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%). IgM constitutes about 10% of serum immunoglobulins. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces.

SPECIFICITY: The antibody reacts with the heavy and light chains of mouse IgM, IgG1, IgG2a, IgG2b, IgG3 and IgA as demonstrated by ELISA and flow cytometry. Minimal cross reactivity with human immunoglobulins.

APPLICATIONS: Immunofluorescence: ≤ 1 µg/10^6 cells
ELISA: 1:5,000-1:20,000
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITY: Reacts with heavy and light chains of mouse IgM, IgG1, IgG2a, IgG2b, IgG3 and IgA. Absorbed for human sera and purified human paraproteins. Minimal cross reactivity with human immunoglobulins. Reactivity with other species has not been determined.

IMMUNOGEN: Prepared from pooled antisera from goats hyperimmunized with mouse IgM, IgG and IgA paraproteins.

PRESENTATION: Purified by affinity chromatography on pooled mouse IgM+IgG+IgA covalently linked to agarose. Liquid in 2.0 mL PBS/NaN_3.

STORAGE/HANDLING: Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt.

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (951) 676-9209 • Europe +44 (0) 23 8026 2233
Australia +61 3 9839 2000 • Germany +49-6192-207300 • ISO Registered worldwide
www.chemicon.com • custserv@chemicon.com • techserv@chemicon.com