

Datasheet for ABIN964974

**Rabbit anti-Mouse IgG (Heavy & Light Chain) Antibody (Biotin)
- Preadsorbed**[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Specificity:	Mouse secondary antibody Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Mouse IgG and Mouse Serum.
Cross-Reactivity:	Mouse (Murine)
Characteristics:	<p>Mouse secondary antibody conjugated to biotin is available in a variety of formats. Anti-IgG Secondary Antibody conjugate is Suitable for western blot, ELISA and immunohistochemistry as well as other antibody based assays requiring lot-to-lot consistency.</p> <p>The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.</p>

Product Details

Purification: Preadsorption: Solid phase absorption

Labeling Ratio: 10-20

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: rabbit anti-Mouse IgG Antibody biotin conjugation, rabbit anti-Mouse IgG biotin conjugated Antibody

Background: Anti-Mouse IgG Biotin Antibody generated in rabbit detects reactivity to Mouse IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes: Immunohistochemistry Dilution: 1:1,000 - 1:5,000

Application Note: Mouse secondary antibody conjugated to biotin is available in a variety of formats. Anti-IgG Secondary Antibody conjugate is Suitable for western blot, ELISA and immunohistochemistry as well as other antibody based assays requiring lot-to-lot consistency.

ELISA Dilution: 1:300,000

Western Blot Dilution: 1:2,000 - 1:10,000

Comment: When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment

Restrictions: For Research Use only

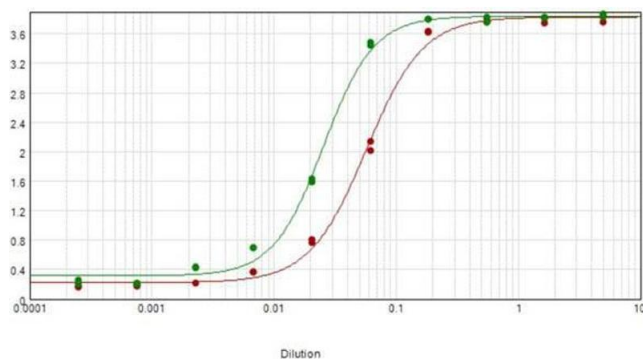
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid cycles of freezing and thawing. Dilute only prior to immediate use This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20 °C or below after dilution.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening.
Expiry Date:	12 months

Publications

Product cited in:	Scholzen, Solursh, Suzuki, Reiter, Morgan, Buchberg, Siracusa, Iozzo: "The murine decorin. Complete cDNA cloning, genomic organization, chromosomal assignment, and expression during organogenesis and tissue differentiation." in: The Journal of biological chemistry , Vol. 269, Issue 45, pp. 28270-81, (1994) (PubMed). Danielson, Fazio, Cohen, Cannizzaro, Eichstetter, Iozzo: "The human decorin gene: intron-exon organization, discovery of two alternatively spliced exons in the 5' untranslated region, and mapping of the gene to chromosome 12q23." in: Genomics , Vol. 15, Issue 1, pp. 146-60, (1993) (PubMed).
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Vetter, Vogel, Just, Young, Fisher: "Human decorin gene: intron-exon junctions and chromosomal localization." in: **Genomics**, Vol. 15, Issue 1, pp. 161-8, (1993) ([PubMed](#)).



ELISA

Image 1. ELISA results of purified Rabbit Anti-Mouse IgG Biotin Conjugated Antibody tested against purified Mouse IgG. Each well was coated in duplicate with 1.0 μ g of Mouse IgG (green line). The starting dilution of antibody was 5 μ g/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Blocking buffer MB-060-1000, Streptavidin HRP conjugate 1:10,000, and TMB-8000 substrate.