

Datasheet for ABIN1118481

Goat anti-Mouse IgG2a Antibody (Biotin)



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1 Publication

Overview

Quantity:	1 mg
Target:	IgG2a
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Mouse IgG2a Antibody Biotin Conjugated Pre-adsorbed
Immunogen:	Immunogen: Mouse IgG2a heavy chain Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against to Bv, Hu, and Rb Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Mouse Serum and Mouse IgG2a. Specificity was confirmed by ELISA at less than 1 % cross-reactivity against other mouse heavy or light chain isotypes. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1 % of target signal.
Characteristics:	Anti-Mouse IgG1 Biotin Antibody generated in goat detects reactivity to Mouse IgG1 (Gamma 1 chain).

Product Details

Purification: MOUSE IgG2a Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Target Details

Target: IgG2a

Abstract: [IgG2a Products](#)

Target Type: Antibody

Background: Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. IgG2, the second largest of IgG isotypes, comprises almost 25 % of IgG and has a low affinity for binding to the Fc receptor of phagocytic cells. 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: Application Note: Mouse IgG2a Biotin Antibody has been tested by ELISA and is available in a variety of formats. Anti-Mouse IgG2a biotin conjugated secondary antibody is suitable for ELISA, Immunohistochemistry, western blotting as well as other anti IgG2a antibody based assays. Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Western Blot Dilution: 1:2,000 - 1:10,000 ELISA Dilution: 1:20,000 - 1:100,000 Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL

Concentration: 1.0 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

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store second antibody at 4° C prior to restoration. For extended storage aliquot secondary antibody and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:	Jia, Xu, Smeets, Buhl, Moeller, Floege, Klinkhammer, Boor: "The Role of Platelet-Derived Growth Factor in Focal Segmental Glomerulosclerosis." in: Journal of the American Society of Nephrology : JASN , Vol. 34, Issue 2, pp. 241-257, (2023) (PubMed).
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