

Datasheet for 610-403-C46

Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody Peroxidase Conjugated

Overview

Description:	Rabbit Anti-Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody Peroxidase Conjugated - 610-403-C46
Item No.:	610-403-C46
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-Mouse IgG Peroxidase Antibody generated in rabbit detects reactivity to Mouse IgG1, IgG2a, IgG2b and IgG3. 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 complement cascade, and opsonization 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. IgG1, IgG2a, IgG2b and IgG3 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.
Synonyms:	rabbit anti-Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody peroxidase conjugation, rabbit anti-Mouse IgG HRP conjugated Antibody, rabbit anti mouse HRP
Host Species:	Rabbit
Specificity:	IgG (gamma 1, 2a, 2b and 3 chain)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Highly purified mouse IgG gamma 1, gamma 2a, gamma 2b and gamma 3 proteins
Purity/Specificity:	Anti-Mouse IgG subclass pan reactive Secondary 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. This product shows balanced reactivity to Mouse IgG1, IgG2a, IgG2b and IgG3 proteins and is suitable to screen IgG class hybridoma clones. Minimal cross reactivity is observed against other Mouse immunoglobulin classes or light chain proteins.

Application Details

Tested Applications:	ELISA
Suggested Applications:	WB (Based on references)
Application Note:	This Anti-Mouse IgG subclass pan reactive Peroxidase Antibody has been tested by ELISA and is designed for Western Blotting, ELISA and Immunohistochemistry. HRP conjugated secondary antibodies can also be used for a variety of other applications such as Assay Development. 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1000 - 1:5000
WB:	1:2000 - 1:10000

Formulation

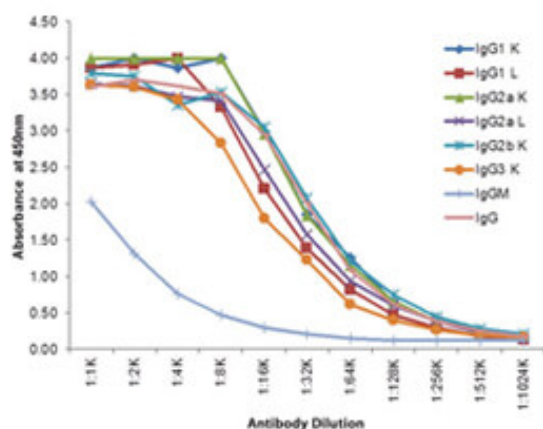
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume:	500 μ L
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents 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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

Indirect ELISA of Rabbit Anti-Mouse IgG (gamma 1, 2a, 2b, and 3) antibody. Antigen: purified mouse IgG heavy and light chains. Coating amount: 0.1 μ g per well. Primary antibody: Rabbit Anti-Mouse IgG (Gamma 1, 2a, 2b, and 3) HRP conjugated Antibody. Dilution series: 2-fold. Substrate: TMB (p/n TMBE-0100).

References

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