

**Datasheet for 610-401-C46****Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody****Overview**

<b>Description:</b>	Rabbit Anti-Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody - 610-401-C46
<b>Item No.:</b>	610-401-C46
<b>Size:</b>	1 mg
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Rabbit

**Product Details**

**Background:** Anti-Mouse IgG 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.

<b>Synonyms:</b>	rabbit anti-Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody, rabbit anti-Mouse IgG Antibody
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (gamma 1, 2a, 2b and 3 chain)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Reactivity:</b>	Mouse
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<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	highly purified mouse IgG gamma 1, gamma 2a, gamma 2b and gamma 3 proteins
<b>Purity/Specificity:</b>	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

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Anti-Mouse IgG subclass pan reactive Secondary Antibody has been tested by ELISA and is designed for ELISA, Immunohistochemistry, western blotting as well as other anti-IgG antibody based assays. Mouse IgG secondary antibody is available in a variety of formats.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:2,000 - 1:10,000

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1.0 mg/ml by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.

**Expiration:** Expiration date is one (1) year from date of receipt.

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## Disclaimer

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