

**MOUSE ANTI-RAT IgG2a  $\gamma$ 2a CHAIN SPECIFIC  
ALKALINE PHOSPHATASE CONJUGATED  
MONOCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	<b>MAB504A</b>	<b>QUANTITY:</b>	1.0 mL
<b>LOT NUMBER:</b>	Xxx		
<b>EPITOPE:</b>	IgG2a $\gamma$ 2a chain	<b>HOST/ISOTYPE:</b>	Mouse
<b>BACKGROUND:</b>	IgG is one of the most abundant protein in human serum. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be $10^{11}$ variants.		
<b>SPECIFICITY:</b>	The antibody reacts with the $\gamma$ 2a heavy chain (Fc) of rat IgG2a.		
<b>APPLICATIONS:</b>	<u>ELISA:</u> <i>Optimal working dilutions must be determined by the end user.</i>		
<b>SPECIES REACTIVITY:</b>	Reacts with the $\gamma$ 2a heavy chain (Fc) of rat IgG2a. Reactivity with other species has not been determined.		
<b>IMMUNOGEN:</b>	Prepared from rat IgG2a $\gamma$ 2a chain.		
<b>PRESENTATION:</b>	Purified by affinity chromatography. Liquid in 50mM Tris/1mM MgCl <sub>2</sub> /50% Glycerol, pH 8.0, containing 0.1% NaN <sub>3</sub> as preservative.		
<b>STORAGE/HANDLING:</b>	Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt. For long term storage, aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.		

*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  $\mu$ L 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.*

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