

Datasheet: 205008

BATCH NUMBER 159338

Description:	GOAT ANTI HUMAN IgA:Biotin
Specificity:	IgA
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/2000 - 1/4000
Immunoprecipitation			▪	
Western Blotting			▪	
Immunoblotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

Target Species

Human

Product Form

Ig Fraction conjugated to Biotin - liquid

Antiserum Preparation

Antisera to human IgA were raised by repeated immunisations of goats with human IgA paraproteins. The preparation was purified by affinity chromatography on pooled human IgA covalently linked to agarose.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations	Ig concentration 0.5mg/ml
Immunogen	Human IgA.
External Database Links	<p>UniProt:</p> <p>P01876 Related reagents</p> <p>P01877 Related reagents</p> <p>Entrez Gene:</p> <p>3493 IGHA1 Related reagents</p> <p>3494 IGHA2 Related reagents</p>
RRID	AB_609671
Specificity	<p>Goat anti Human IgA antibody recognizes the heavy chain of human IgA as demonstrated by ELISA and Flow cytometry. IgA is the major category of antibody present in mucosal secretions and acts as a first line of defense against inhaled or ingested pathogens at the mucosal interface. IgA is also present in serum where it acts to eliminate pathogens via interaction with FcαR, also known as CD89. (Woof et al. 2004). Biotinylated Goat anti Human IgA antibody (205008) has been cross-adsorbed against human IgD, IgG and IgM to ensure class specificity.</p>
References	<ol style="list-style-type: none"> 1. Wright, A.K. <i>et al.</i> (2012) Human Nasal Challenge with <i>Streptococcus pneumoniae</i> Is Immunising in the Absence of Carriage. PLoS Pathog. 8: e1002622. 2. Pennington, S.H. <i>et al.</i> (2016) Polysaccharide-specific Memory B-cells Predict Protection Against Experimental Human Pneumococcal Carriage. Am J Respir Crit Care Med. Jul 12. [Epub ahead of print] 3. Turner, P.J. <i>et al.</i> (2020) Differences in nasal immunoglobulin A responses to influenza vaccine strains after live attenuated influenza vaccine (LAIV) immunization in children. Clin Exp Immunol. 199 (2): 109-118. 4. Cole, M.E. <i>et al.</i> (2021) Pre-existing influenza-specific nasal IgA or nasal viral infection does not affect live attenuated influenza vaccine immunogenicity in children. Clin Exp Immunol. 204 (1): 125-133.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/205008</p> <p>10040</p>

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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