

Datasheet: 205009

BATCH NUMBER 160438

Description:	GOAT ANTI HUMAN IgA:RPE
Specificity:	IgA
Format:	RPE
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on pooled human IgA		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃) Stabilizing agent (sucrose)		
Approx. Protein Concentrations	0.5 mg/ml		
Immunogen	Human IgA.		

**External Database
Links**

UniProt:

[P01876](#) [Related reagents](#)
[P01877](#) [Related reagents](#)

Entrez Gene:

[3493](#) IGHA1 [Related reagents](#)
[3494](#) IGHA2 [Related reagents](#)

RRID AB_616850

Specificity

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.

References

1. Wright, A.K. *et al.* (2012) Human Nasal Challenge with *Streptococcus pneumoniae* Is Immunising in the Absence of Carriage. [PLoS Pathog. 8: e1002622](#).
 2. Pennington, S.H. *et al.* (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. *et al.* (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. *et al.* (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](#).
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Storage

+4°C DO NOT FREEZE
This product is photosensitive and should be protected from light.

Guarantee

Guaranteed until date of expiry. Please see product label.

**Health And Safety
Information**

Material Safety Datasheet documentation #10045 available at:
<https://www.bio-rad-antibodies.com/SDS/205009>
10045

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)

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Worldwide Tel: +44 (0)1865 852 700

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

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