

For Research Use Only

Human IgA1 Recombinant monoclonal antibody

Catalog Number: 87606-3-RR



Basic Information

Catalog Number:	87606-3-RR	GenBank Accession Number:	Purification Method:
Source:	Rabbit	GeneID (NCBI):	Protein A purification
Isotype:	IgG	3493	CloneNo.:
Immunogen Catalog Number:	EG9190	Full Name:	252592A11
		immunoglobulin heavy constant alpha 1	Recommended Dilutions:
		Observed MW:	WB: 1:5000-1:50000
		50-70 kDa	IHC: 1:1000-1:4000
			IF-P: 1:250-1:1000

Applications

Tested Applications:	WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity:	human	WB : human milk,
		IHC : human tonsillitis tissue,
		IF-P : human tonsillitis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		

Background Information

Human IgA1 is one of the two subclasses of Immunoglobulin A (IgA), the most abundantly produced antibody in the human body. While IgA is the predominant antibody class at mucosal surfaces (such as the gut, respiratory, and urogenital tracts), IgA1 is the dominant subclass in the blood (serum), comprising approximately 85-90% of total serum IgA.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

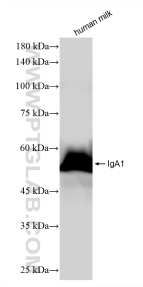
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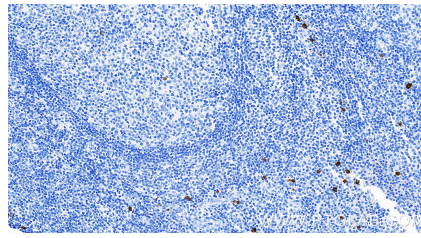
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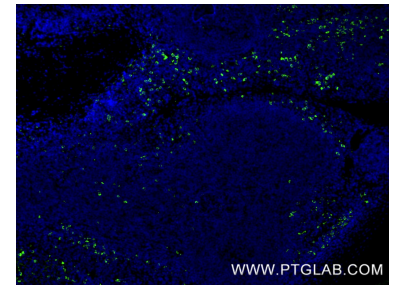
Selected Validation Data



human milk were subjected to SDS PAGE followed by western blot with 87606-3-RR (Human IgA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87606-3-RR (Human IgA1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using Human IgA1 antibody (87606-3-RR, Clone: 252592A11) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).