IgA2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IgA2, Monoclonal Antibody
Full Product Name	MOUSE ANTI HUMAN IgA2:HRP
Product Gene Name	anti-IgA2 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	A9604D2
Host	Mouse
Form/Format	HRP Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Specificity	This item recognises the Fc portion of the heavy chain of human IgA2 as demonstrated by ELISA.
Preparation and Storage	Store at -20 degree C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch.
Molecular Weight	36,526 Da
OMIM	147000
3D Structure	ModBase 3D Structure for P01877
Perservative Stabilisers	50% glycerol.
Immunogen	Human IgA2 heavy chains Buffer Solution||Phosphate buffered saline
Target Species	Human
Applications Tested/Suitable for anti-IgA2 antibody	ELISA (EIA), Immunoblotting (IB), Western Blot (WB)
Application Notes for anti-IgA2 antibody	**ELISA:** Minimum Dilution: 1/500; Maximum Dilution: 1/2000
Related Product Information for anti-IgA2 antibody	MBS211159 is an antibody targeting IgA2. Also known as MOUSE ANTI HUMAN IgA2:HRP. Host: Mouse.
Other Notes	Small volumes of anti-IgA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IgA2. It may not necessarily be applicable to this product.

NCBI GI #	218512088
NCBI GeneID	3494
NCBI Accession #	P01877.3

UniProt Primary Accession #	P01877
UniProt Related Accession #	P01877
NCBI Official Full Name	Ig alpha-2 chain C region, partial
NCBI Official Synonym Full Names	immunoglobulin heavy constant alpha 2 (A2m marker)
NCBI Official Symbol	IGHA2
UniProt Protein Name	Ig alpha-2 chain C region
UniProt Gene Name	IGHA2
UniProt Entry Name	IGHA2_HUMAN
UniProt Comments for IgA2	IGHA2: Ig alpha is the major immunoglobulin class in body secretions. It may serve both to defend against local infection and to prevent access of foreign antigens to the general immunologic system. Chromosomal Location of Human Ortholog: 14q32.33 Cellular Component: extracellular space; extracellular region Molecular Function: antigen binding Biological Process: retinal homeostasis; receptor-mediated endocytosis; glomerular filtration; antibacterial humoral response; immune response
Research Articles on IgA2	**1.** Using direct-tissue MALDI tandem mass spectrometry (MS/MS), we identified immunoglobulin heavy constant alpha 2 (IGHA2) as a new, zone-specific protein in the breast tumor microenvironment.
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