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lgA Antibody (Center) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2162a

Product Information

Application	WB, E
Primary Accession	P01876
Other Accession	P01877
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	585CT26.3.1
Calculated MW	42849
Antigen Region	150-178

Additional Information

Other Names	Ig alpha-1 chain C region, IGHA1
Target/Specificity	This lgA antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 150-178 amino acids from the Central region of human lgA.
Dilution	WB~~1:100~1600 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	lgA Antibody (Center) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IGHA1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}
Function	Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins- secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which

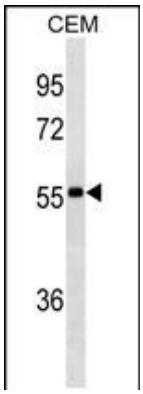
results in the elimination of bound antigens (PubMed:20176268, PubMed:22158414). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:17576170, PubMed:20176268). Ig alpha is the major immunoglobulin class in body secretions (PubMed:2241915).

Cellular Location [Isoform 1]: Secreted

Background

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.

Images



lgA Antibody (Center)(Ascites)(Cat. #AM2162a) western blot analysis in CEM cell line lysates (35µg/lane).This demonstrates the lgA antibody detected the lgA protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.