10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# lgA Antibody (Center) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2162a

## Product Information

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|---|---|
| **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

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|---|---|
| **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

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|---|---|
| **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 |

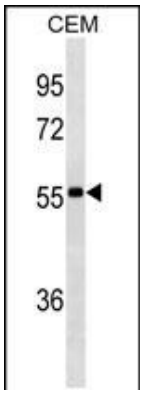
results in the elimination of bound antigens (PubMed:20176268, PubMed:22158414). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular 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).