

IgA (α -Heavy Chain) Ab-1 (Clone GA01)

Mouse Monoclonal Antibody

Cat. #MS-1008-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200 μ g/ml) (Purified Ab with BSA and Azide)

Cat. #MS-1008-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Please note this data sheet has been changed effective January 09, 2012

Description: The most common feature of plasmacytomas, and certain non-Hodgkin's lymphomas is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

Comments: Ab-1 is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas.

Mol. Wt. of Antigen: 50kDa

Epitope: Third constant domain (CH3) of the alpha chain of IgA

Species Reactivity: Human. Others-not known.

Clone Designation: GA01

Ig Isotype / Light Chain: IgG₁ / \square

Immunogen: Purified human alpha heavy chain.

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)
(Use Ab at 1:12.5 - 1:25 for 60 min at RT)
- * (Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 1mM EDTA, pH 8.0 (Cat. #AP-9004), for 10-20 min followed by cooling at RT for 20 min.)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Tonsil and Intestine.

Cellular Localization: Cytoplasmic

Supplied As: 200 μ g/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide.

Storage and Stability:

Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. NeoMarkers makes no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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