

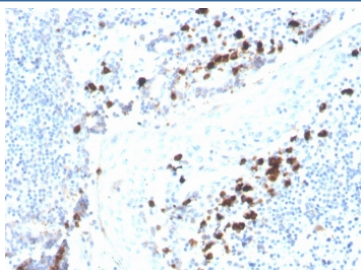
Recombinant IgA Heavy Chain Antibody [clone rHISA43] (V7859)

Catalog No.	Formulation	Size
V7859-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7859-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7859SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

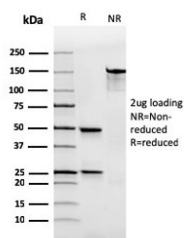
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rHISA43
Purity	Protein G affinity chromatography
UniProt	P01876
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant IgA Heavy Chain antibody is available for research use only.



IHC staining of FFPE human tonsil with human recombinant IgA Heavy Chain antibody (clone rHISA43). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant IgA Heavy Chain antibody (clone rHISA43) as confirmation of integrity and purity.

Description

This MAb is specific to heavy chain of IgA and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with all subclasses of Alpha heavy chain. Immunoglobulins are four-chain, Y-shaped, monomeric structures comprised of two identical heavy chains and two identical light chains held together through inter-chain disulfide bonds. The chains form two domains, the Fab (antigen binding) fragment and the Fc (constant) fragment. Immunoglobulin A (IgA) is the main protein of the mucosal immune system. It is generated by B-cells in gut-associated lymphoid tissues. Daily production of IgA exceeds that of any of the other immunoglobulins. IgA exists mainly in dimers but can also exist as polymers or as monomers. Dimers and polymers contain a joining (J) chain that can be bound by the polymeric immunoglobulin receptor (pIgR) for transportation of the molecule to mucosal surfaces. The most common feature of plasmacytomas, and certain non-Hodgkins 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.

Application Notes

Optimal dilution of the recombinant IgA Heavy Chain antibody should be determined by the researcher.

Immunogen

Full length recombinant human IGHA protein was used as the immunogen for the human recombinant IgA Heavy Chain antibody.

Storage

Store the recombinant IgA Heavy Chain antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).