DATASHEET

HLA-A Mouse Monoclonal Antibody(ARA593)

CAT. NO. ARA6284

KEY FEATURES

Target	HLA-A	**Source/Host**	Mouse
Reactivity	Human	**Clonality**	Monoclonal
Applications	IHC	**Isotype**	IgG1
Storage	at -20°C		

BACKGROUND

HLA-A is a classical class I major histocompatibility complex (MHC) molecule that presents endogenous peptide antigens to CD8+ T cells, playing a central role in adaptive immune surveillance. It is one of the most polymorphic genes in the human genome, with thousands of alleles determining immune recognition and transplantation compatibility. This antibody specifically recognizes the alpha-1 domain of HLA-A.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal antibody to HLA-A
Specificity	Recognizes HLA-A (alpha-1 specific)
Antibody Type	Primary antibody
Immunogen	Human HLA-A peptide
Purification	Protein A purification
Isotype	IgG1
Form/Buffer	Liquid in PBS containing 0.09% sodium azide
Alternative Names	HLA class I histocompatibility antigen, A alpha chain; Human leukocyte antigen A; HLA-A
Gene Symbol	HLA-A
Entrez Gene	3105(Human)
SwissProt	P04439(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

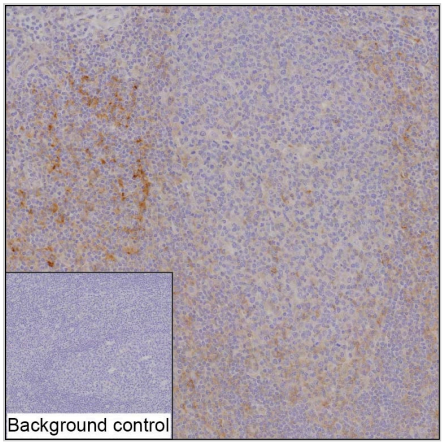
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical staining of tonsil tissue using HLA-A Mouse Monoclonal Antibody(ARA593). Heat mediated antigen retrieval was performed with boiling Tris/EDTA buffer (pH 9.0) in a pressure cooker for 3 min, followed by HRP polymer detection and DAB chromogen.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com