

ARG65414
anti-HLA A2 antibody [BB7.2] (azide free)Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free Mouse Monoclonal antibody [BB7.2] recognizes HLA A2
Tested Reactivity	Hu
Tested Application	FACS, IP
Specificity	The clone BB7.2 recognizes an epitope at the C-terminus of alpha-2 helix and a turn on one of the underlying beta strands within the human HLA-A2 histocompatibility antigen.
Host	Mouse
Clonality	Monoclonal
Clone	BB7.2
Isotype	IgG2b
Target Name	HLA A2
Immunogen	HLA-A2 solubilised by papain.
Conjugation	Un-conjugated
Alternate Names	MHC class I antigen A*1; HLAA; HLA class I histocompatibility antigen, A-1 alpha chain

Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml
	IP	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 3105 Human](#)

[Swiss-port # P30443 Human](#)

Gene Symbol

HLA-A

Gene Full Name

major histocompatibility complex, class I, A

Background

HLA-A2 (44 kDa) is the most frequent HLA-A allele in human ethnic populations. HLA-A, together with HLA-B and HLA-C, represent human HLA class I major histocompatibility (MHC) antigens. These intrinsic membrane glycoproteins are expressed on nucleated cells and noncovalently associate with an invariant beta2 microglobulin. They carry foreign determinants important for immune recognition by cytotoxic T cells, thus important for anti-viral and anti-tumour defence. _x000D_

Function

Involved in the presentation of foreign antigens to the immune system. [UniProt]

Research Area

Immune System antibody

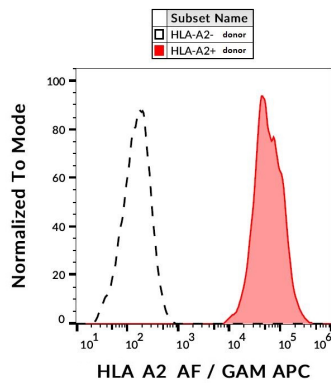
Calculated Mw

40 kDa

PTM

Polyubiquitinated in a post ER compartment by interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system (By similarity).

Images



ARG65414 anti-HLA A2 antibody [BB7.2] (azide free) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG65414 anti-HLA A2 antibody [BB7.2] (azide free), followed by incubation with APC labelled Goat anti-Mouse secondary antibody.