

## ARG63005 anti-HLA Class I antibody [MEM-123]

Package: 100 μg Store at: -20°C

Summary	
Product Description	Mouse Monoclonal antibody [MEM-123] recognizes HLA Class I
Tested Reactivity	Hu, Bov, NHuPrm
Tested Application	ELISA, FACS, IP
Specificity	The clone MEM-123 reacts with all human classical MHC Class I molecules (major histocompatibility complex) in native cell-surface forms as well as with human HLA-G cDNA transfected cells. MHC Class I molecules (MHC Class Ia) are expressed on the surface of all human cell types. MEM-123 completely blocks binding of classical W6/32 to surface-expressed HLA-G, but does not cross-blocks the antibody MEM-G/9.
Host	Mouse
Clonality	Monoclonal
Clone	MEM-123
lsotype	lgG3
Target Name	HLA Class I
Immunogen	COS-7 African green monkey kidney cells
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
	ELISA	Assay-dependent
	FACS	4 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

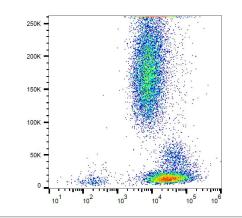
Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein A-affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

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	GenelD: 3105 Human
	Swiss-port # P30443 Human
Gene Symbol	HLA-A
Gene Full Name	major histocompatibility complex, class I, A
Background	HLA-class I major histocompatibility (MHC) antigens are intrinsic membrane glycoproteins expressed on nucleated cells and noncovalently associated 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. Human HLA-class I antigens are represented by HLA-A, HLA-B and HLA-C molecules.
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



#### ARG63005 anti-HLA Class I antibody [MEM-123] FACS image

Flow Cytometry: Human peripheral blood stained with ARG63005 anti-HLA Class I antibody [MEM-123], followed by APC-conjugated Goat anti-Mouse antibody.