Datasheet for ABIN192283

anti-MICA antibody (PE)

2 Images

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Overview

Quantity:	0.1 mg
Target:	MICA
Reactivity:	Human, Cow, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MICA antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	COS-7 African green monkey kidney cells
Clone:	MEM-123
Isotype:	IgG3
Specificity:	The antibody MEM-123 reacts with an extracellular epitope of 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. The antibody MEM-123 completely blocks binding of classical W6/32 to surface-expressed HLA-G, but does not cross-blocks the antibody MEM-G/9.
Cross-Reactivity (Details):	Human, Non-Human Primates, Bovine
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

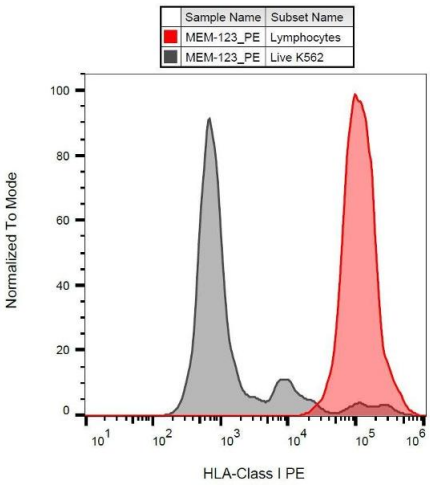
Target:	MICA
Alternative Name:	HLA-Class I (MICA Products)
Background:	HLA-class I major histocompatibility (MHC) antigens are intrinsic membrane glycoproteins expressed on nucleated cells and noncovalently associated with an invariant beta2 microglobulin. They carry foreign determinants important for 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.
Pathways:	Activation of Innate immune Response, Transition Metal Ion Homeostasis

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-4 µg/mL.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Restrictions:	For Research Use only

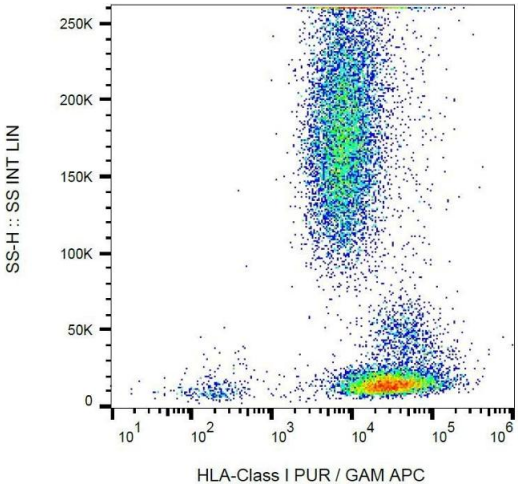
Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.** Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Surface staining of K562 cells with anti-HLA-class I (MEM-123) PE.



Flow Cytometry

Image 2. Surface staining of K562 cells with anti-HLA-class I (MEM-123) PE.

