



1P-363-C025

## Monoclonal Antibody to HLA-Class I Phycoerythrin (PE) conjugated (0.025 mg)

<b>Clone:</b>	MEM-123
<b>Isotype:</b>	Mouse IgG3
<b>Specificity:</b>	<p>The antibody 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.</p> <p>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.</p>
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	COS-7 African green monkey kidney cells
<b>Species Reactivity:</b>	Human, Non-Human Primates, Bovine
<b>Preparation:</b>	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.
<b>Concentration:</b>	0.1 mg/ml
<b>Storage Buffer:</b>	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
<b>Storage / Stability:</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	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.
<b>References:</b>	Unpublished.

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