TECHNICAL DATA SHEET

CyFlow™ HLA-Class I PE
Anti-Hu; Clone MEM-123

REF **BX007187**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-Class I
Alternative Names	—
Clone	MEM-123
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG3
Species Reactivity	Human, Non-Human Primates | Cow
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	COS-7 African green monkey kidney cells

Specificity

The mouse monoclonal antibody MEM-123 recognizes all human classical MHC Class I molecules 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

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blocks binding of classical W6/32 to surface-expressed HLA-G, but does not cross-block the antibody MEM-G/9.

Application

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.
Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

HLA-class I major histocompatibility (MHC) antigens are intrinsic membrane glycoproteins expressed on nucleated cells and noncovalently associated with an invariant β2-microglobulin. They carry foreign determinants important for immune recognition by cytotoxic T cells, thus important for anti-viral and anti-tumor defense. Human HLA-class I antigens are represented by HLA-A, HLA-B and HLA-C molecules.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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