

TECHNICAL DATA SHEET

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

REF AN366080

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	Purified
Host / Isotype	Mouse / IgG3
Species Reactivity	Human, Non-Human Primates Cow
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Enzyme-linked immunosorbent assay

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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 β 2-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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