



1P-363-C100

## Monoclonal Antibody to HLA-Class I Phycoerythrin (PE) conjugated (0.1 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          | Unpublished.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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