Monoclonal Antibody to HLA-Class I Phycoerythrin (PE) conjugated (0.1 mg)

Clone: W6/32
Isotype: Mouse IgG2a
Specificity: The antibody W6/32 recognises MHC Class I molecules (MHC Class Ia) that are expressed on the surface of all human nucleated cell types. The antibody W6/32 is a valuable reagent for analysing variations in HLA class I expression in different disease states e.g. liver disease, muscular dystrophy, inflammatory myopathy and other neuromuscular disorders. This antibody W6/32 is also suitable as a positive control for HLA tissue typing and crossmatching.

Regulatory Status: RUO
Immunogen: Membrane of human tonsil cells
Species Reactivity: Human, Non-Human Primates, Bovine, Feline (Cat)
Negative Species: Rabbit
Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration: 0.1 mg/ml
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability: 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.
Usage: The reagent is designed for Flow Cytometry analysis. Suggested working dilution is 1:50. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration: See vial label
Lot Number: See vial label

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.
References:


*And many other.

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