

TECHNICAL DATA SHEET

CyFlow™ HLA-Class I Biotin Anti-Hu; Clone W6/32

REF AK363888

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-Class I
Alternative Names	—
Clone	W6/32
Clonality	monoclonal
Format	Biotin
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human, Non-Human Primates Cow Cat
Negative Species Reactivity	Rabbit
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Membrane of human tonsil cells

Specificity

The mouse monoclonal 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 analyzing variations in HLA class I expression in different disease states e.g. liver disease, muscular

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dystrophy, inflammatory myopathy and other neuromuscular disorders. The W6/32 is also suitable as a positive control for HLA tissue typing and crossmatching.

Application

The reagent is designed for indirect immunofluorescence analysis by Flow Cytometry. Suggested working usage is 3.3 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in 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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