

## TECHNICAL DATA SHEET

### CyFlow™ HLA-Class I Low Endotoxin Anti-Hu; Clone W6/32

**REF** BR077715

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

|                                    |                                       |
|------------------------------------|---------------------------------------|
| <b>Antigen</b>                     | HLA-Class I                           |
| <b>Alternative Names</b>           | —                                     |
| <b>Clone</b>                       | W6/32                                 |
| <b>Clonality</b>                   | monoclonal                            |
| <b>Format</b>                      | Low Endotoxin                         |
| <b>Host / Isotype</b>              | Mouse / IgG2a                         |
| <b>Species Reactivity</b>          | Human, Non-Human Primates   Cow   Cat |
| <b>Negative Species Reactivity</b> | Rabbit                                |
| <b>Quantity [Concentration]</b>    | 0.1 mg [ 1 mg/ml ]                    |
| <b>Immunogen</b>                   | 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

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

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (frozen sections)
- Immunocytochemistry
- Functional assays
- Enzyme-linked immunosorbent assay

## Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH ≈7.4; 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

## Storage and Stability

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| <b>Storage</b>   | Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze. |
| <b>Stability</b> | 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.

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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