

## Technical Data Sheet

### Anti-Human HLA-ABC

**Catalog Number:** 102801, 102802

**Size:** 100 ug, 500 ug

**Target Name:** HLA-ABC, Major Histocompatibility Class I, MHC class I

**Regulatory Status:** RUO

#### Product Details

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**Clone:** W6/32

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG2a

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Protein Concentration:** 0.5 mg/mL

**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.5 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application

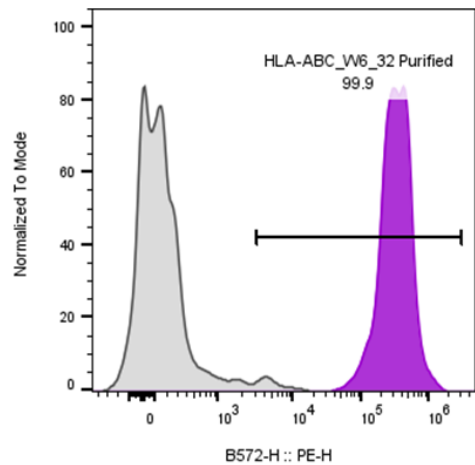
#### Background Information

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The human leukocyte antigen (HLA) system or complex of genes on chromosome 6 in humans which encode cell-surface proteins responsible for regulation of the immune system.[1] The HLA system is also known as the human version of the major histocompatibility complex (MHC) found in many animals. HLAs corresponding to MHC class I (A, B, and C), all of which are the HLA Class1 group, present peptides from inside the cell. MHC class I molecules are involved in presentation of antigens to CD8+ T cells. They play an important role in cell-mediated immune responses and tumor surveillance.

#### Product Data

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Human peripheral blood lymphocytes stained either with purified Anti-Human HLA-ABC clone W6/32 (purple histogram) or an isotype control (gray histogram), followed by PE anti-mouse IgG 2nd antibody.