

anti-human HLA-ABC PE-conjugated

PE -conjugated monoclonal antibody W6/32 to human HLA-ABC

Cat-No: **21159034**

500 µl

Clone: W6/32

Specificity: The anti-human HLA-ABC monoclonal antibody recognizes an epitope common among 43 kDa chains of the HLA-ABC antigens. These antigens appear on virtually every human nucleated cell. This antibody is suitable as a positive control for HLA tissue typing and crossmatching.

Species Reactivity: Human, Non-Human Primates, Bovine, Feline (Cat)

Negative Species: Rabbit

Isotype subclass: Mouse IgG2a

Form: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light.

Application: Flow Cytometry

Background: The W6/32 monoclonal antibody reacts with the human major histocompatibility complex (MHC) class I, HLA-A, B, C. MHC class I antigens associated with beta 2-microglobulin are expressed by all human nucleated cells and are central in cell-mediated immune response and tumor surveillance. W6/32 mAb recognizes a non-polymorphic epitope shared among products of the HLA-A, B, and C loci and immunoprecipitates both 43 kDa and 11-12 kDa chains.

Crossreactivity is also seen in baboon, rhesus and cynomolgus monkey.

References:

- *Heike, M. et al (1996) Journal of Immunol. 156:2205-2213
- * Pettersen, R.D. et al (1996) Journal of Immunol. 156:1415-1424
- * King, A. et al (1996) Journal of Immunol.
- * Polyak, S. et al (1997) Journal of Immunol 159:2177-2188

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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