

PerCP/Cy5.5 anti-human HLA-A,B,C

Catalog # / Size: 2157095 / 25 tests
2157100 / 100 tests

Clone: W6/32

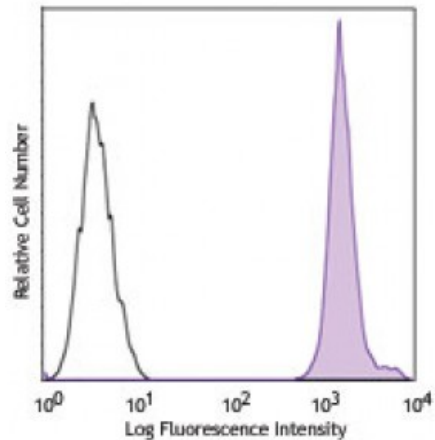
Isotype: Mouse IgG2a, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with HLA-A,B,C (clone W6/32) PerCP/Cy5.5 (filled histogram) or mouse IgG2a PerCP/Cy5.5 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Clone W6/32 recognizes a monomorphic epitope on the 45 kD polypeptide products of HLA-A, B, C¹⁸.

Additional reported applications (for the relevant formats) include: immunoprecipitation², Western blotting (non-reducing)³, immunohistochemical staining of acetone-fixed frozen tissue sections^{4,5}, blocking^{6,7}, inhibition of NK cell-mediated lysis¹⁰, and activation^{8,9}. Clone W6/32 has been reported not to be suitable for immunohistochemistry on paraffin sections¹⁷. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 311412). For highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 311428) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

- Application References:**
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 5. Ayyoub M, *et al.* 2004. *Cancer Immunity* 4:7.
 6. DeFelice M, *et al.* 1990. *Cell. Immunol.* 126:420.
 7. Fayen J, *et al.* 1998. *Int. Immunol.* 10:1347.
 8. Turco MC, *et al.* 1988. *J. Immunol.* 141:2275.

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 10. Wooden SL, *et al.* 2005. *J. Immunol.* 175:1383.
 11. Nagano M, *et al.* 2007. *Blood* 110:151.
 12. McLoughlin RM, *et al.* 2008. *J. Immunol.* 181:1323. [PubMed](#)
 13. Takahara M, *et al.* 2008. *J. Leukoc. Biol.* 83:742. [PubMed](#)
 14. Lunemann A, *et al.* 2008. *J. Immunol.* 181:6170. [PubMed](#)
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 16. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)
 17. Vambutas A, *et al.* 2000. *Clin. Diagn. Lab. Immun.* 7:79.
 18. Coppieters KT, *et al.* 2012. *J. Exp. Med.* 209:51. (epitope)
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Description: MHC class I antigens associated with β 2-microglobulin are expressed by all human nucleated cells. 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.

Antigen References: 1. Barclay AN, *et al.* Eds. 1993. The Leukocyte Antigen FactsBook. Academic Press Inc. San Diego.