

Product Data Sheet

PE/Cy5 anti-human HLA-A,B,C

Catalog # / Size: 311407 / 25 tests
311408 / 100 tests

Clone: W6/32

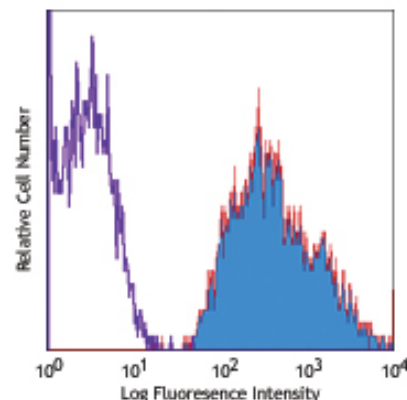
Isotype: Mouse IgG2a, κ

Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Cattle (Bovine, Cow), Cat (Feline)

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

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

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with W6/32 PE/Cy5

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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/ μ g).

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

- Application References:**
1. Darrow TL, *et al.* 1989. *J. Immunol.* 142:3329.
 2. Stern P, *et al.* 1987. *J. Immunol.* 138:1088.
 3. Tran TM, *et al.* 2001. *Immunogenetics* 53:440.
 4. Barbatis C, *et al.* 1981. *Gut* 22:985.
 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.
 9. Geppert TD, *et al.* 1989. *J. Immunol.* 142:3763.
 10. Wooden SL, *et al.* 2005. *J. Immunol.* 175:1383.
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 13. Takahara M, *et al.* 2008. *J. Leukoc. Biol.* 83:742. PubMed
 14. Lunemann A, *et al.* 2008. *J. Immunol.* 181:6170. PubMed
 15. Laing BJ, *et al.* 2010. *J. Thorac Cardiovasc Surg.* 139:1402. PubMed
 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)

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.

Related Products:Product

Clone

Application



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PE/Cy5 anti-human HLA-DR
PE/Cy5 Mouse IgG2a, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

L243
MOPC-173

FC
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FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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