

Product Data Sheet

PE anti-human HLA-A,B,C

Catalog # / Size: 311405 / 25 tests
311406 / 100 tests

Clone: W6/32

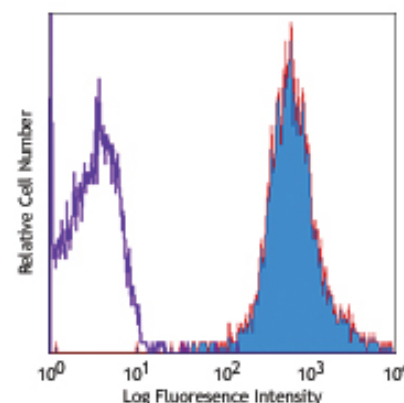
Isotype: Mouse IgG2a, κ

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 under optimal conditions. The solution is free of unconjugated PE 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

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).

- 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.
 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
 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
PE anti-human HLA-DR
PE Mouse IgG2a, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
L243
MOPC-173

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



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587