

Product Data Sheet

PE anti-human CD283 (TLR3)

Catalog # / Size: 315005 / 25 µg

Clone: TLR-104

Isotype: Mouse IgG2a, κ

Immunogen: Recombinant human Toll-like receptor 3 protein

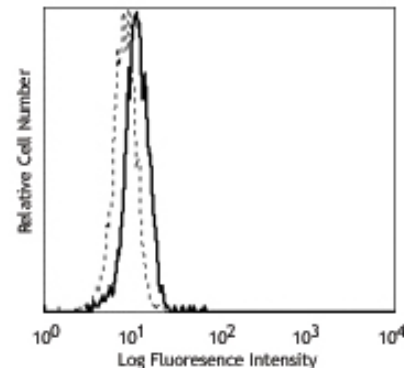
Reactivity: Human

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.

Concentration: 0.2 mg/ml

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



Human TLR3 transfected (below) and parent (above) cells intracellularly stained with TLR-104 PE

Applications:

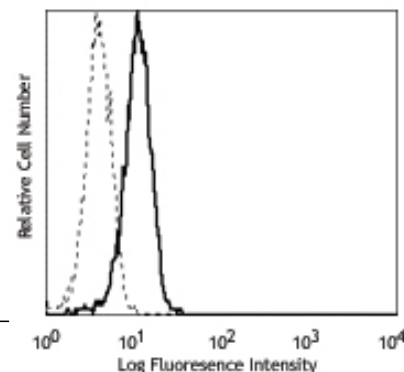
Applications: ICFC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting. The fluorochrome-labeled TLR-104 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis. For intracellular staining protocol, please visit www.biolegend.com and click on the support tab.

Application References:

1. Fiala M, *et al.* 2007. *P. Natl. Acad. Sci. USA* 10.1073/P. Natl. Acad. Sci. USA.0701267104.
2. Kong KF, *et al.* 2008. *J. Virol.* 82:7613. PubMed
3. Sadik CD, *et al.* 2009. *Nucleic Acids Res.* 37:5041. PubMed



Description: Toll-like receptor 3 (TLR3) is a 104 kD protein also known as CD283. It is expressed selectively on the cytoplasmic membrane and intracellularly in dendritic cells. TLR3 is also highly expressed in the placenta, pancreas, heart, liver, lung, and muscle. TLR3 is a pattern recognition receptor that participates in innate immune response to microbial pathogens. The ligands recognized by TLR3 are polyinosine-polycytidylic acid (Poly(I:C)) and dsRNA. TLR3 ligands induce NF-κB activation (via TRIF-linked RIP1/TLR3 interactions) and cytokine production. TLR3 has been shown to interact with a number of proteins including MYD88, TRAF6, TRIAD3, MAP3K7, and TAB2. This antibody is useful for flow cytometry and Western blotting.

Antigen References:

1. Alexopoulou L, *et al.* 2001. *Nature* 413:732.
2. Doyle SE, *et al.* 2002. *Immunity* 17:251.
3. Meylan E, *et al.* 2004. *Nature Immun.* 5:503.
4. Muzio M, *et al.* 2000. *J. Immunol.* 164:5998.
5. Rock FL, *et al.* 1998. *Proc. Natl. Acad. Sci.* 95:588.

Related Products:

Product
 PE Mouse IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 Fixation Buffer
 Permeabilization Wash Buffer (10X)
 Brefeldin A Solution (1,000X)
 Monensin Solution (1,000X)
 7-AAD Viability Staining Solution
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MOPC-173

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



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