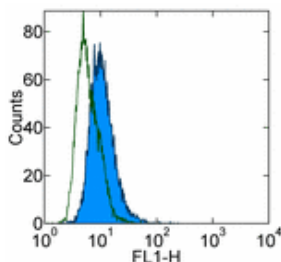


## Anti-Human CD283 (TLR3) Purified

Catalog Number: 14-9039

Also Known As: TLR-3, toll-like receptor 3

RUO: For Research Use Only



Staining of permeabilized A549 cell line with 1  $\mu$ g of Purified Mouse IgG1  $\kappa$  Isotype Control (cat. 14-4714) (open histogram) or 1  $\mu$ g of Purified anti-human TLR3 (TLR3.7) (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Total cells were used for analysis.

### Product Information

Contents: Anti-Human CD283 (TLR3) Purified

**REF** Catalog Number: 14-9039

Clone: TLR3.7

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1,  $\kappa$

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

The TLR3.7 monoclonal antibody reacts with human Toll-like receptor 3 (TLR3). To date, at least twelve members of the Toll-like receptor family have been identified. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. In the innate immune response, TLRs recognize molecular patterns associated with microbial pathogens and induce antimicrobial activity. TLR3 recognizes double-stranded (ds)RNA, induces the activation of NF- $\kappa$ B through MyD88-dependent and -independent pathways, and the production of type I interferons (IFNs). TLR3.7 suppressed poly(I):poly(C)-mediated IFN- $\beta$  production by human fibroblasts naturally expressing TLR3 on their surface.

### Applications Reported

This TLR3.7 antibody has been reported for use in intracellular staining followed by flow cytometric analysis, immunoprecipitation, immunoblotting (WB), immunohistology staining of frozen tissue sections, and immunohistology staining of paraffin embedded tissue sections. (Fluorochrome conjugated TLR3.7 is recommended for use in intracellular flow cytometry.) It has also been reported in *in vitro* inhibition of ligand binding. For optimal detection of TLR3 with this mAb by flow cytometry, PE-conjugated or Biotin-conjugated TLR3.7 (revealed with SAV-PE cat# 12-4312) are recommended.

### Applications Tested

This TLR3.7 antibody has been tested by intracellular staining and flow cytometric analysis of A549 and MRC5 cell lines to detect the very low level of this antigen on the surface. This can be used at less than or equal to 2.0  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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#### Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

14-8185 B18R Recombinant Protein

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