

APC anti-human CD285 (TLR5)

Catalog # / 2572535 / 25 tests
Size: 2572540 / 100 tests

Clone: S16021I

Isotype: Mouse IgG2a, κ

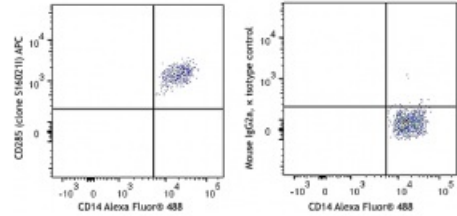
Immunogen: Human TLR5 transfectants

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

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 monocytes were stained with CD14 Alexa Fluor® 488 and CD285 (clone S16021I) APC (left) or mouse IgG2a, κ APC isotype control (right).

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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD285, also known as TLR5, is a 98 kD pattern recognition receptor that binds to bacterial flagellin. It is expressed on dendritic cells, classical monocytes and mucosal epithelial cells and is involved in activation of TLR5 induced NF-κB mediated activation of inflammatory-related target genes. Mutations in the TLR5 gene have been linked with susceptibility to systemic lupus erythematosus and Legionnaire’s disease.

- Antigen References:**
1. Hayashi F, *et al.* 2001. *Nature*. 410:1099
 2. Gewirtz AT, *et al.* 2001. *J Immunol*. 167:1882
 3. Smith KD, *et al.* 2002. *Curr Top Microbiol Immunol*. 270:93
 4. Bambou JC, *et al.* 2004. *J Biol Chem*. 279:42984
 5. Sebastiani G, *et al.* 2000. *Genomics*. 64:230
 6. Muzio M, *et al.* 2000. *Biochem Soc Trans*. 28:563