

For Research Use Only

Anti-Human TLR2 Rabbit Recombinant Antibody

Catalog Number: 98376-5-RR



Basic Information

Catalog Number:

98376-5-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC033756

GeneID (NCBI):

7097

UNIPROT ID:

O60603

Full Name:

toll-like receptor 2

Calculated MW:

784 aa, 90 kDa

Purification Method:

Protein A purification

CloneNo.:

251864G3

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

TLR2, also known as CD282, is a Toll-like receptor (TLR) family member. TLR receptors are type I integral transmembrane glycoproteins that play a fundamental role in pathogen recognition and activation of innate immunity. TLR2 is expressed by immune cells including monocytes/macrophages, polymorphonuclear leukocytes (PMLs), and dendritic cells, and is also expressed by some non-immune cells including endothelial and epithelial cells (PMID: 21428911; 22566960). TLR2 forms heterodimers with TLR1 and TLR6, which is the initial step in a cascade of events leading to significant innate immune responses, development of adaptive immunity to pathogens, and protection from immune sequelae related to infection with these pathogens (PMID: 22566960).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

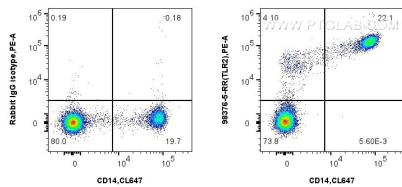
T: 4006900926

E: Proteintech-CN@ptglab.com

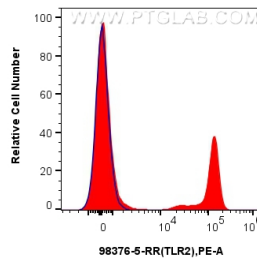
W: ptgcn.com

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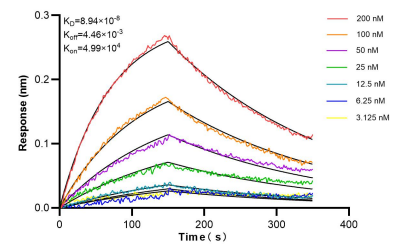
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human TLR2 Rabbit RecAb (98376-5-RR, Clone: 251864G3) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD14 Rabbit Recombinant Antibody (CL647-98040, Clone: 230332D7). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human TLR2 Rabbit RecAb (98376-5-RR, Clone: 251864G3) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98376-5-RR against Human TLR2 were performed. The affinity constant is 89.4 nM.