

TLR5 Antibody (R31826)

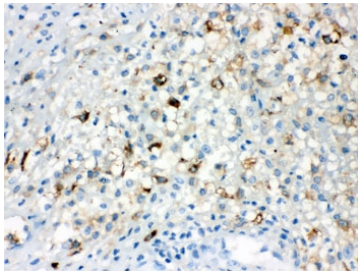
Catalog No.	Formulation	Size
R31826	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

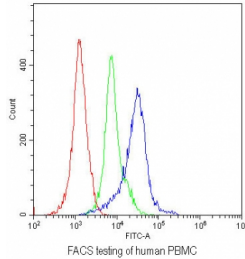
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O60602
Localization	Cytoplasmic, membrane
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This TLR5 antibody is available for research use only.



Western blot testing of Jurkat cell lysate with TLR5 antibody. Expected/observed molecular weight ~98 kDa.



IHC testing of FFPE human appendicitis tissue with TLR5 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Flow cytometry testing of human PBMC with TLR5 antibody at $1\mu\text{g}/10^6$ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TLR5 antibody.

Description

TLR5 encodes a member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor $\text{NF-}\kappa\text{B}$, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

Application Notes

Optimal dilution of the TLR5 antibody should be determined by the researcher.

Immunogen

Amino acids MKHQSIRGFVQKQQYLRWPEDFQDVGWF of human TLR5 were used as the immunogen for the TLR5 antibody.

Storage

After reconstitution, the TLR5 antibody can be stored for up to one month at 4°C . For long-term, aliquot and store at -20°C . Avoid repeated freezing and thawing.