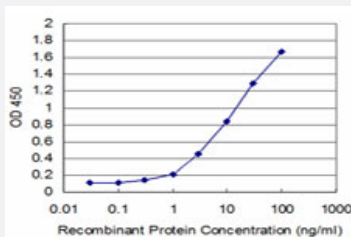


TLR5 monoclonal antibody (M03), clone 4B2

Catalog # H00007100-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TLR5 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TLR5.
Immunogen	TLR5 (NP_003259, 517 a.a. ~ 634 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LPPGVFSLHTALRGLSLNSNRLTVLSHNDLPANLEILDISRNQLLAPNPDVFVSLSVLDITHNKFICE CELSTFINWLNHTNVTIAGPPADIYCVYPDSFSGVSLFSLSTEGCDEEEV
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TLR5 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TLR5

Entrez GeneID [7100](#)

GeneBank Accession# [NM_003268](#)

Protein Accession# [NP_003259](#)

Gene Name TLR5

Gene Alias FLJ10052, MGC126430, MGC126431, SLEB1, TIL3

Gene Description toll-like receptor 5

Omim ID [601744](#) [603031](#) [608556](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene product is expressed in myelomonocytic cells, and recognizes bacterial flagellin, a principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB and stimulates tumour necrosis factor-alpha production. [provided by RefSeq]

Other Designations OTTHUMP00000036039[Toll/interleukin-1 receptor-like protein 3]

Pathway

- [Pathogenic Escherichia coli infection - EHEC](#)

- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Cardiovascular Diseases](#)
- [Chagas Cardiomyopathy](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Crohn Disease](#)
- [Cystic Fibrosis](#)
- [Cystitis](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [HIV Infections](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Multiple Sclerosis](#)
- [Narcolepsy](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Purpura](#)
- [Pyelonephritis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sepsis](#)
- [Tobacco Use Disorder](#)
- [Typhoid Fever](#)
- [Urinary Tract Infections](#)