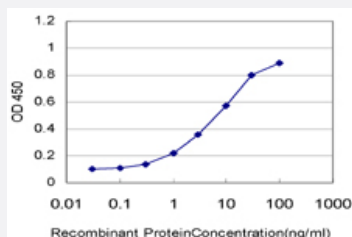


TLR5 monoclonal antibody (M04), clone 4G5

Catalog # H00007100-M04

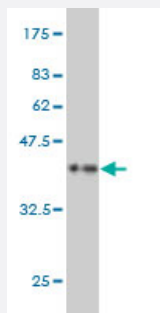
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (38.72 KDa) .

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

LPPGVFSLTALRGLSLNSNRLTVLSHNDLPANLEILDISRNQLLAPNPDVVFVSLSVLDITHNKFICE
CELSTFINWLNHTNVTIAGPPADIYCVYPDSFSGVSLFSLSTEGCDEEEV

Host

Mouse

Reactivity

Human

Isotype

IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (38.72 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- 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](#)