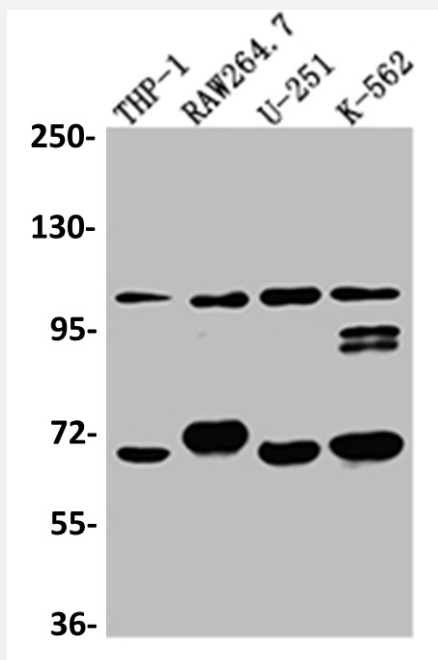


RecomAb™

TLR5 recombinant monoclonal antibody, clone 10D8

Catalog # RAB07409 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of THP-1 whole cell lysate, RAW264.7 whole cell lysate, U-251 whole cell lysate, K562 whole cell lysate with TLR5 recombinant monoclonal antibody, clone 10D8 (Cat # RAB07409).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TLR5.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human TLR5.
Theoretical MW (kDa)	98
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification

Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TLR5

Entrez GeneID	7100
Protein Accession#	O60602
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](#)