

TLR5 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant TLR5.

Catalog # AT4257a

Product Information

Application	E
Primary Accession	O60602
Other Accession	NM_003268
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4B2
Calculated MW	97800

Additional Information

Gene ID	7100
Other Names	Toll-like receptor 5, Toll/interleukin-1 receptor-like protein 3, TLR5, TIL3
Target/Specificity	TLR5 (NP_003259, 517 a.a. ~ 634 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TLR5 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

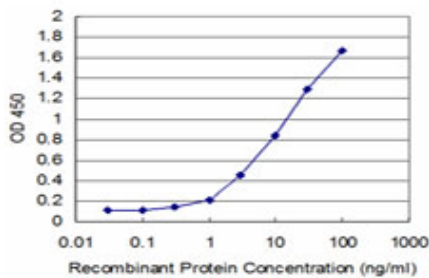
Background

This gene 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 NF-kappaB, 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.

References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014. A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868. Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. IL1RN VNTR and IL2-330 polymorphic genes are independently associated with chronic immune thrombocytopenia. Rocha AM, et al. Br J Haematol, 2010 Jul 9. PMID 20626741. A comprehensive genotype-phenotype interaction of different Toll-like receptor variations in a renal transplant cohort. Krüger B, et al. Clin Sci (Lond), 2010 Jul 6. PMID 20604744.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.