10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

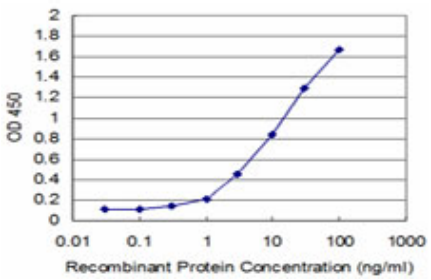
Background

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 Thiazolinedinedione-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. Kr?ger 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'.