

Datasheet for ABIN7121466
TLR3 Protein (Fc Tag)



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Overview

Quantity:	100 µg
Target:	TLR3
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLR3 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse TLR3 / CD283 Protein, Fc Tag (MALS verified)
Sequence:	Thr 26 - Leu 705
Characteristics:	Human TLR3, Fc Tag (TL3-M5255) is expressed from human 293 cells (HEK293). It contains AA Thr 26 - Leu 705 (Accession # Q99MB1-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	TLR3
Alternative Name:	TLR3 / CD283 (TLR3 Products)
Background:	Synonyms: TLR3,CD283,IIAE2,

Target Details

Description: Toll-like receptor 3 (TLR3) is also known as CD283, which belongs to the Toll-like receptor family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 / CD283 contains 22 LRR (leucine-rich) repeats, 1 LRRCT domain, 1 LRRNT domain and 1 TIR domain. TLR3 is expressed at high level in placenta and pancreas and also detected in CD11c+ immature dendritic cells. CD283 / TLR3 is only expressed in dendritic cells. TLR3 is the TLR that is expressed most strongly in the brain, especially in astrocytes, glia, and neurons. CD283 / TLR-3 is the key component of innate and adaptive immunity. TLR3 / CD283 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. TLR3 acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Defects in TLR3 are associated with herpes simplex encephalitis type 2 (HSE2).

Molecular Weight: 103.7 kDa

NCBI Accession: [NP_569054](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 103.7 kDa. The protein migrates as kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5

Storage: -20 °C

Storage Comment: -20°C