TLR8 Antibody / Toll like Receptor 8 (R32333)

Catalog No.	Formulation	Size
R32333	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9NR97
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This TLR8 antibody is available for research use only.

Western blot testing of 1) rat liver and 2) HepG2 lysate with TLR8 antibody. Expected/observed molecular weight ~120 kDa.

Description

Toll-like receptor 8 is a protein that in humans is encoded by the TLR8 gene. TLR8 has also been designated as CD288 (cluster of differentiation 288).The TLR8 gene is mapped to Xp22.3-p22.2 by Chuang and Ulevitch (2000) and Du et al. (2000). 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 is predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. TLR8 recognises G-rich oligonucleotides.

Application Notes

Optimal dilution of the TLR8 antibody should be determined by the researcher.

Immunogen

Amino acids DAYISYDTKDASVTDWVINELRYHLEE of human TLR8 were used as the immunogen for the TLR8 antibody.

Storage

After reconstitution, the TLR8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.