

Datasheet for ABIN7193967
anti-TLR7 antibody (AA 420-644)



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Overview

Quantity:	100 µL
Target:	TLR7
Binding Specificity:	AA 420-644
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	TLR7 Antibody
Immunogen:	Purified recombinant fragment of human TLR7 (AA: 420-644) expressed in E. Coli.
Clone:	4G1D4
Isotype:	IgG2b
Purification:	Purified antibody

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays

Target Details

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. The human TLR family comprises 11 members. 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. For the recognition of structural components in foreign microorganisms, the various TLRs exhibit different patterns of expression as well, in this way for example, TLR-3, -7, and -8 are essential in the recognition of single-stranded RNA viruses. TLR7 senses single-stranded RNA oligonucleotides containing guanosine- and uridine-rich sequences from RNA viruses, a recognition occurring in the endosomes of plasmacytoid dendritic cells and B cells. This gene is predominantly expressed in lung, placenta, and spleen, and is phylogenetically related and lies in close proximity to another family member, TLR8, on chromosome X.

Molecular Weight:	120 kDa
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Gene ID:	51284
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UniProt:	Q9NYK1
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Pathways:	TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades
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Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400 ICC: 1/50 - 1/200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
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