

Datasheet for ABIN121174
anti-TLR7 antibody (AA 451-500)



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Overview

Quantity:	0.1 mL
Target:	TLR7
Binding Specificity:	AA 451-500
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant human TLR7 (451-500 aa) purified from E. coli
Clone:	4F4
Isotype:	IgG1
Specificity:	The antibody recognizes human TLR7. Other species not tested.
Purification:	Protein-G affinity chromatography

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	TLR7 is one of toll-like receptors which are type I transmembrane proteins involved in innate

Target Details

immunity by recognizing microbial conserved structures. These proteins are characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain, and act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. Human TLR7(hTLR7) is predominantly expressed in lung, placenta and spleen and hTLR7,8 genes are located on the sex chromosome X. hTLR7 may play an important role in detecting and combating viral infections.Synonyms: Toll-like receptor 7

Gene ID:	51284
UniProt:	Q9NYK1
Pathways:	TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	ELISA. Western blot (1:500 - 1:2,000), recommended starting dilution is 1:1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, containing 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf Life: one year from despatch.
Expiry Date:	12 months