

Datasheet for ABIN7543380

Recombinant anti-TLR7 antibody



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Overview

Quantity:	200 µg
Target:	TLR7
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This TLR7 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TLR7 [LTM3], Rabbit IgG, kappa
Immunogen:	The original antibody was generated by immunizing TLR7 deficient BALB/mice with Ba/F3 cell line expressing hTLR7-Flag-Hisx6/hUnc93B1-HAx2 mixed with a suitable adjuvant.
Clone:	LTM3
Isotype:	IgG kappa
Specificity:	This antibody binds human toll-like receptor 7 (TLR7). It also cross reacts with monkey TLR7. It is an endosomal receptor that plays a key role in innate and adaptive immunity. It also controls host immune response against pathogens through recognition of uridine-containing single strand RNAs (ssRNAs) of viral origin or guanosine analogs. TLR7 is considered to be a useful marker in indicating pathological condition of autoimmune diseases.
Cross-Reactivity:	Monkey

Product Details

Characteristics:	Original Species of Ab: Mouse
	Original Format of Ab: IgG1

Purification:	Protein A affinity purified
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Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	Toll-like receptor 7, UNQ248/PRO285
UniProt:	Q9NYK1
Pathways:	TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	This antibody was used in combination with another anti-TLR7 antibody called rE3 to detect human TLR7 in a sandwich ELISA. LTM3 was used as used as a capturing antibody and biotinylated rE3 antibody (rE3-bio) was used a detecting antibody. This antibody can be used for the detection of human TLR7 in serum or plasma derived from human peripheral blood. The binding ability of this antibody for Ba/F3 cell line expressing human TLR7, mouse TLR7 and monkey TLR7 was checked using flow cytometry. This antibody can successfully detect human and monkey TLR7, but not mouse TLR7 in a flow cytometry (US20210199667).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.