

Datasheet for ABIN7596035
anti-TLR7 antibody (AA 451-500)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TLR7
Binding Specificity:	AA 451-500
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Human TLR7 antibody
Immunogen:	Recombinant human TLR7 (451-500aa) purified from E. coli.
Clone:	4F4
Isotype:	IgG1 kappa
Purification:	protein-A 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 immunity by recognizing microbial conserved structures. These proteins are characterized by

Target Details

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.

NCBI Accession:	NP_057646
Pathways:	TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol
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, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.