

## Toll-like Receptor 7 mouse mAb

<b>Catalog No :</b>	YM1519
<b>Reactivity :</b>	Transfected
<b>Applications :</b>	WB
<b>Target :</b>	Toll-like Receptor 7
<b>Fields :</b>	>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>Measles;>>Influenza A;>>Coronavirus disease - COVID-19
<b>Gene Name :</b>	tlr7
<b>Human Gene Id :</b>	51284
<b>Human Swiss Prot No :</b>	Q9NYK1
<b>Mouse Swiss Prot No :</b>	P58681
<b>Immunogen :</b>	Purified recombinant human Toll-like Receptor protein fragments expressed in E.coli.
<b>Specificity :</b>	This antibody detects endogenous levels of Toll-like Receptor and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb dilution 1:1000
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 121kD

**Cell Pathway :** Toll\_Like;

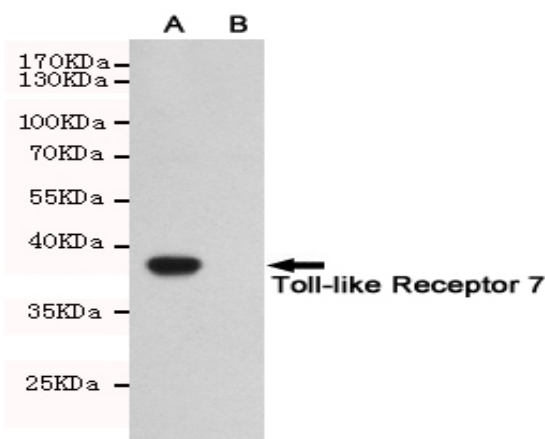
**Background :** The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize 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, placenta, and spleen, and lies in close proximity to another family member, TLR8, on chromosome X. [provided by RefSeq, Jul 2008],

**Function :** function:Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.,similarity:Belongs to the Toll-like receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 27 LRR (leucine-rich) repeats.,subunit:Binds MYD88 via their respective TIR domains.,tissue specificity:Detected in brain, placenta, spleen, stomach, small intestine, lung and in plasmacytoid pre-dendritic cells.,

**Subcellular Location :** Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Endosome . Lysosome . Cytoplasmic vesicle, phagosome . Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist.

**Expression :** Detected in brain, placenta, spleen, stomach, small intestine, lung and in plasmacytoid pre-dendritic cells. Expressed in peripheral mononuclear blood cells (PubMed:32706371).

## Products Images



Western blot detection of Toll-like Receptor 7 in CHO-K1 cell lysate(B)and CHO-K1 transfected by Toll-like Receptor 7(A)cell lysate using Toll-like Receptor 7 mouse mAb (1:1000 diluted).Predicted band size: 40KDa.Observed band size:40KDa.