

**Product Name: Toll-Like Receptor 3 (2F10) Mouse
Monoclonal Antibody
Catalog #: AMM03550**

Summary

Production Name	Toll-Like Receptor 3 (2F10) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	TLR3
Alternative Names	CD283; CD283 antigen; IIAE2; TLR 3; Tlr3; TLR3_HUMAN; Toll Like Receptor 3; Toll-like receptor 3.
Gene ID	7098
SwissProt ID	O15455.

Application

Dilution Ratio	WB: 1:500-1:1000
Molecular Weight	Calculated MW: 104 kDa; Observed MW: Refer to figures

Background

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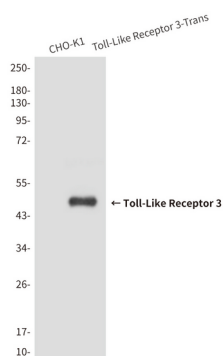


The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated 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 receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene.

Research Area

Immunology

Image Data



Western blot analysis of Toll-Like Receptor 7 in CHO-K1 lysates and CHO-K1 transfected by Toll-Like Receptor 3 lysates using Toll-Like Receptor 3 antibody.

Note

For research use only.