



TCAM2 Monoclonal Antibody

Catalog No	YP-mAb-07029
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	TICAM2 TIRAP3 TIRP TRAM
Protein Name	TIR domain-containing adapter molecule 2 (TICAM-2) (Putative NF-kappa-B-activating protein 502) (TRIF-related adapter molecule) (Toll-like receptor adaptor protein 3) (Toll/interleukin-1 receptor doma
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TCAM2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	25kD
Cell Pathway	[Isoform 1]: Cytoplasm . Golgi apparatus. Cell membrane . Endoplasmic reticulum. Early endosome membrane. Late endosome membrane. Cell projection, phagocytic cup . Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion from the membrane. Upon LPS stimulation colocalizes with isoform 2 in late endosomes.; [Isoform 2]: Endoplasmic reticulum. Early endosome membrane. Late endosome membrane. Translocates to late endosomes upon LPS stimulation where it colocalizes with isoform 1.
Tissue Specificity	Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas Isoform 2 is ubiquitously expressed (at lower levels than isoform 1).
Function	domain:The TIR domain mediates the interaction with TRAF6.,function:Functions in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. Also involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB. Physically bridges TLR4 and TICAM1 and functionally transmits LPS-TLR4 signal to TICAM1.,PTM:Myristoylated. Required for membrane association which is critical for its ability to initiate efficient signaling.,PTM:Phosphorylated by PKCE in



response to LPS. Phosphorylation is essential for its function. It is depleted from the membrane upon phosphorylation.,similarity:Belongs to the EMP24/GP25L family.,similarity:Contains 1 GOLD domain.,similarity:Contains 1 TIR domain.,subcellular location:Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion

Background

TIRP is a Toll/interleukin-1 receptor (IL1R; MIM 147810) (TIR) domain-containing adaptor protein involved in Toll receptor signaling (see TLR4; MIM 603030).[supplied by OMIM, Apr 2004],

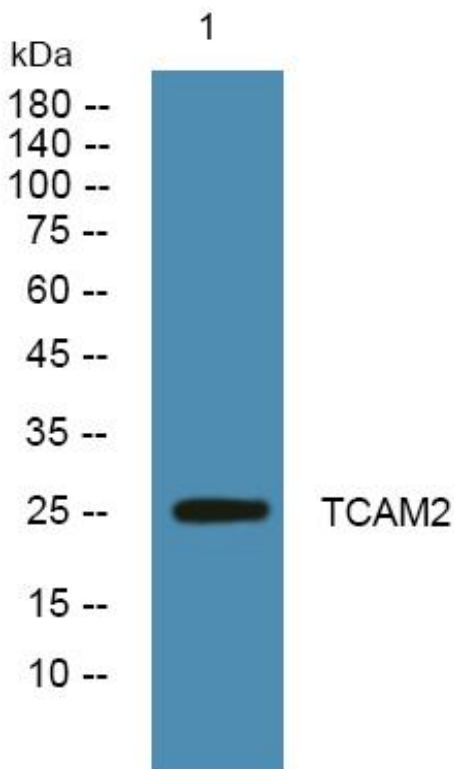
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TCAM2 Monoclonal Antibody