

#57221 Store at -20C

TNFSF15 (D1C8W) Rabbit mAb**Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	35	Rabbit IgG	#O95150	9966

Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10mM sodium HEPES (pH 7.5), 150mM NaCl, 100 µg/ml, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	TNFSF15 (D1C8W) Rabbit mAb recognizes endogenous levels of total human TNFSF15 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu88 of human TNFSF15 protein.	
Background	TNFSF15 (TL1A), a member of the TNF superfamily of proteins, is a splice variant of the TL1/VEGI gene (1). Endothelial cells, monocytes, macrophages, and dendritic cells express TL1A, which is upregulated by proinflammatory cytokines, microorganisms, and AMPK activation (1-4). TL1A activates the NF-κB and JNK pathways through its receptor, DR3 (1,5). TL1A may function as a costimulatory signal for T cell activation, specifically regulating Th17 cell development and proliferation (1,2,6). Mouse models suggest a role for TL1A as a driver for the inflammation and pathogenesis associated with inflammatory bowel disease (7,8).	
Background References	1. Migone, T.S. et al. (2002) <i>Immunity</i> 16, 479-92. 2. Jones, G.W. et al. (2011) <i>FASEB J</i> 25, 409-19. 3. Zhou, J. et al. (2011) <i>Oncogene</i> 30, 1892-900. 4. Shih, D.Q. et al. (2009) <i>Eur J Immunol</i> 39, 3239-50. 5. Haridas, V. et al. (1999) <i>Oncogene</i> 18, 6496-504. 6. Pappu, B.P. et al. (2008) <i>J Exp Med</i> 205, 1049-62. 7. Meylan, F. et al. (2011) <i>Mucosal Immunol</i> 4, 172-85. 8. Taraban, V.Y. et al. (2011) <i>Mucosal Immunol</i> 4, 186-96.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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