

Rabbit anti-Human CLM-9 Polyclonal Antibody | anti-CD300LG antibody

Anti-CLM-9 Antibody, Rabbit Polyclonal

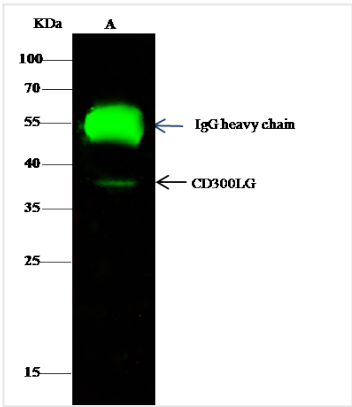
CATALOG # AAA255672	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

CLM-9; Polyclonal Antibody; Anti-CLM-9 Antibody; Rabbit Polyclonal; CLM-9/TREM4 Antibody; Rabbit PAb; Antigen Affinity Purified; CD300 molecule-like family member g; Anti-CLM9 Antibody; Anti-NEPMUCIN Antibody; Anti-TREM-4 Antibody; Anti-TREM4 Antibody; anti-CD300LG antibody

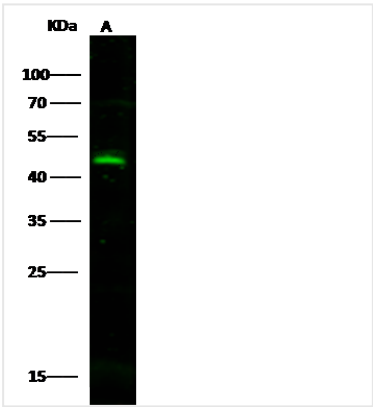
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CLM-9/TREM4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD300LG antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant Human CLM-9/TREM4 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CLM-9/TREM4 (rh CLM-9/TREM4). CLM-9/TREM4 specific IgG was purified by Human CLM-9/TREM4 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

CD300LG was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, 0.5 uL anti-CD300LG rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-CD300LG rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 38 kDa.



WB (Western Blot)

Anti-CD300LG rabbit polyclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CD300LG antibody	CLM-9, also known as TREM4, is a receptor which belongs to the TREM family. The TREM family of receptors regulates the activity of various cell types of the immune system including neutrophils, monocyte/macrophages, microglia, and dendritic cells. CLM-9 may mediate L-selectin-dependent lymphocyte rollings. It binds SELLE in a calcium dependent manner. CLM-9 also binds lymphocyte which suggests that it functions in lymphocyte adhesion. The major CLM-9 transcript is expressed highly in human heart, skeletal muscle, and placenta. The mouse protein has been shown to be expressed in capillary endothelial cells. Human CLM-9 mediates the uptake of human IgA2 and mouse IgM.
References	Clark GJ, et al. (2009) The CD300 molecules regulate monocyte and dendritic cell functions. Immunobiology. 214(9-10):730-6. Engel K, et al. (2012) Bacterial expression of mutant argininosuccinate lyase reveals imperfect correlation of in-vitro enzyme activity with clinical phenotype in argininosuccinic aciduria. J Inher Metab Dis. 35(1):133-40. Lamesch P, et al. (2007) hORFeome v3.1: a resource of human open reading frames representing over 10, 000 human genes. Genomics. 89(3):307-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19263987
NCBI GeneID	146894
Molecular Weight	29,965 Da
NCBI Official Full Name	CD300 molecule-like family member g
NCBI Official Synonym Full Names	CD300 molecule like family member g
NCBI Official Symbol	CD300LG
NCBI Official Synonym Symbols	CLM9; CLM-9; TREM4; TREM-4; NEPMUCIN
NCBI Protein Information	CMRF35-like molecule 9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.