

Rabbit anti-Rat CD48 Polyclonal Antibody | anti-CD48 antibody

Anti-CD48 Antibody, Rabbit Polyclonal

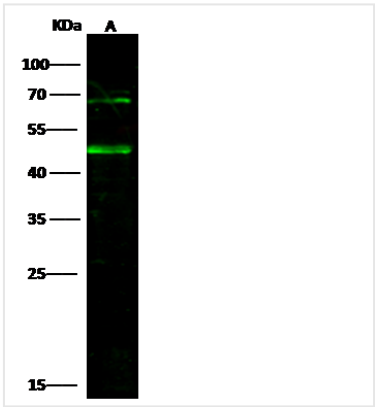
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257805	Rabbit	Rat	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

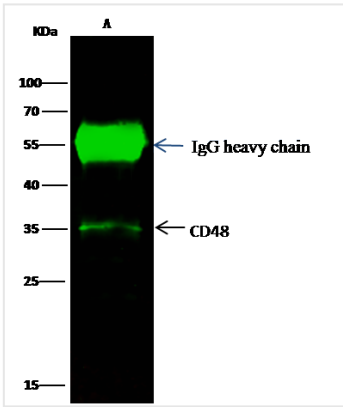
CD48; Polyclonal Antibody; Anti-CD48 Antibody; Rabbit Polyclonal; CD48/SLAMF2 Antibody; Rabbit PAb; Antigen Affinity Purified; CD48 molecule; anti-CD48 antibody

PRODUCT SPECIFICATIONS

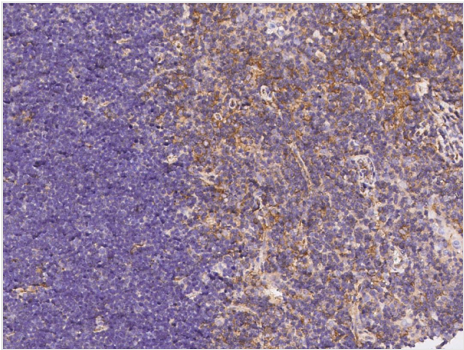
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat CD48/SLAMF2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-CD48 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat CD48/SLAMF2 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat CD48/SLAMF2. CD48/SLAMF2 specific IgG was purified by Rat CD48/SLAMF2 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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



WB (Western Blot)
Anti-CD48 rabbit polyclonal antibody at 1:500 dilution.Lane A: Jurkat Membrane LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:28 kDaObserved band size:48 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
rat CD48 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate0.5 uL anti-rat CD48 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-rat CD48 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 28 kDaObserved band size: 35 kDa



IHC (Immunohistochemistry)
Immunochemical staining of rat CD48 in rat thymus with rabbit polyclonal antibody (1:25000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CD48 antibody	Background: Cluster of Differentiation 48 (CD48), also known as SLAMF2, BCM-1 and BLAST-1, is a GPI-linked protein belonging to the CD2 subfamily of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. CD48 protein performs biological functions in a variety processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.
Product Categories/Family for anti-CD48 antibody	Cancer Drug Targets
References	Messmer B, et al. (2006) CD48 stimulation by 2B4 (CD244)-expressing targets activates human NK cells. J Immunol. 176(8): 4646-50Milstein O, et al. (2008) Nanoscale increases in CD2-CD48-mediated intermembrane spacing decrease adhesion and reorganize the immunological synapse. J Biol Chem. 283(49): 34414-22.

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.