

Rabbit anti-Mouse CD53 Monoclonal Antibody | anti-CD53 antibody

Recombinant Anti-CD53 Antibody, Rabbit Monoclonal

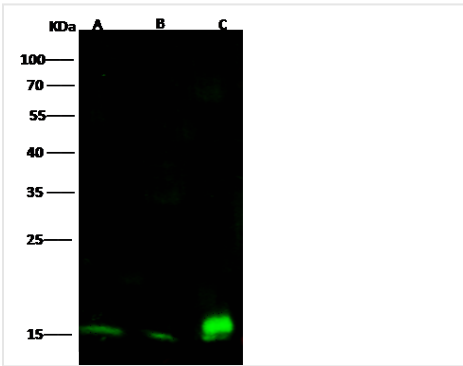
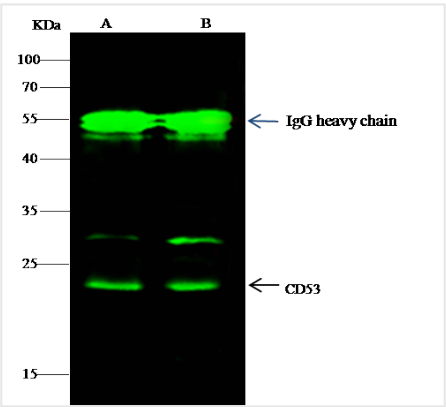
CATALOG # AAA257217	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CD53; Monoclonal Antibody; Recombinant Anti-CD53 Antibody; Rabbit Monoclonal; CD53 Antibody; Rabbit MAb; CD53 molecule; Anti-AI323659 Antibody; Anti-Ox-44 Antibody; Anti-Tspan25 Antibody; anti-CD53 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	004
Specificity	Mouse CD53
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD53 antibody	IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse CD53 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD53 (rM CD53).
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.



WB (Western Blot)
Anti-CD53 rabbit monoclonal antibody at 1:500 dilution Lane A: Raji Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 15 kDa

IP (Immunoprecipitation)
Mouse CD53 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate Lane B: 0.5 mg Raji Whole Cell Lysate 2 uL anti-Mouse CD53 rabbit monoclonal antibody and 60 ug of Immunomagnetic beads Protein G. Primary antibody: Anti-Mouse CD53 rabbit monoclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 24 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD53 antibody	CD53 is a member of the transmembrane 4 superfamily, also called the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD53 is a cell surface glycoprotein that is known to complex with integrins. Familial deficiency of CD53 gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. CD53 contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation.
References	Rochelle JM, et al. (1993) Gene structure, chromosomal localization, and protein sequence of mouse CD53 (Cd53): evidence that the transmembrane 4 superfamily arose by gene duplication. Int Immunol. 5(2):209-16. Virtaneva KI, et al. (1993) The genes for CD37, CD53, and R2, all members of a novel gene family, are located on different chromosomes. Immunogenetics. 37(6):461-5. Horejsi V, et al. (1991) Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. FEBS Lett. 288(1-2):1-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6671712
NCBI GeneID	12508
NCBI Accession #	NP_031677.1
NCBI GenBank Nucleotide #	NM_007651.3
UniProt Accession #	Q61451; Q61721
Molecular Weight	24,164 Da
NCBI Official Full Name	leukocyte surface antigen CD53
NCBI Official Synonym Full Names	CD53 antigen
NCBI Official Symbol	Cd53
NCBI Official Synonym Symbols	Ox-44; Tspan25; AI323659
NCBI Protein Information	leukocyte surface antigen CD53; cell surface glycoprotein CD53
UniProt Protein Name	Leukocyte surface antigen CD53

UniProt Gene Name	Cd53
UniProt Entry Name	CD53_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd53-antibody-clone-004-immunoprecipitation-western-blot-elisa/257217>