

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

Recombinant Anti-CD53 Antibody, Rabbit Monoclonal

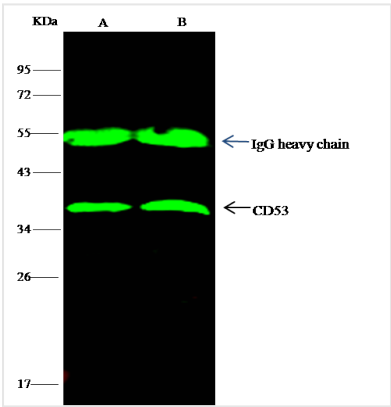
CATALOG # AAA257361	HOST Rabbit	REACTIVITY Cynomolgus	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

CD53; Monoclonal Antibody; Recombinant Anti-CD53 Antibody; Rabbit Monoclonal; CD53 Antibody; Rabbit MAb; CD53 molecule; anti-CD53 antibody

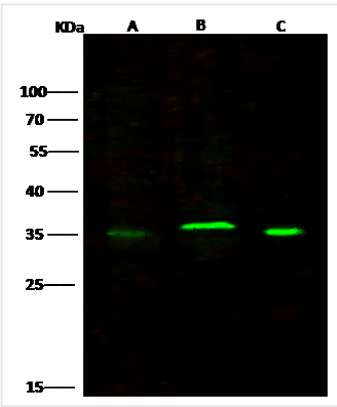
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cynomolgus
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	104
Specificity	Cynomolgus CD53
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD53 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Cynomolgus CD53 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Cynomolgus 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.



IP (Immunoprecipitation)

cyno CD53 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate Lane B: 0.5 mg Raji Whole Cell Lysate 2 uL anti-cyno CD53 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-cyno 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 Odyssey technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 34 kDa.



WB (Western Blot)

Anti-CD53 rabbit monoclonal antibody at 1:500 dilution. Lane A: 293T Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lane C: Raji 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: 24 kDa. Observed band size: 35 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

UniProt Accession #	G7NW46
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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-104-immunoprecipitation-western-blot-elisa/257361>