

Rabbit anti-Human CD84 Monoclonal Antibody | anti-CD84 antibody

Recombinant Anti-CD84 Antibody, Rabbit Monoclonal

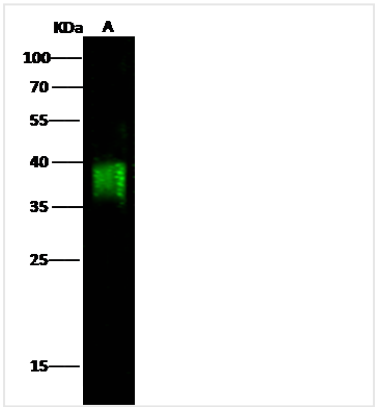
CATALOG # AAA254429	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

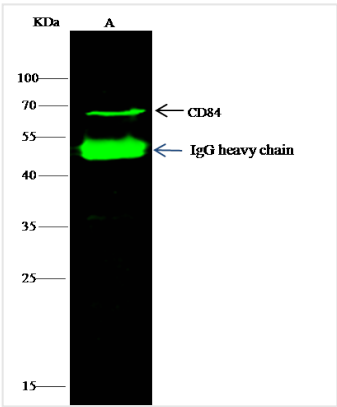
CD84; Monoclonal Antibody; Recombinant Anti-CD84 Antibody; Rabbit Monoclonal; CD84/SLAMF5 Antibody; Rabbit MAb; CD84 molecule; Anti-hCD84 Antibody; Anti-LY9B Antibody; Anti-mCD84 Antibody; Anti-SLAMF5 Antibody; anti-CD84 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	6
Specificity	Human CD84/SLAMF5
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD84 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human CD84 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD84 extracellular domain (rh CD84).
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-CD84 rabbit monoclonal antibody at 1:500 dilutionLane A: RAW264.7 Whole Cell 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:39 kDaObserved band size:39 kDa



IP (Immunoprecipitation)
CD84 was immunoprecipitated using:Lane A:0.5 mg Raw264.7 Whole Cell Lysate0.5 uL anti-CD84 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-CD84 rabbit monoclonal 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: 62 kDaObserved band size: 62 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD84 antibody	The CD2 family receptors are type I transmembrane glycoproteins belonging to immunoglobulin (Ig) superfamily characterized by a membrane-proximal Ig constant 2 (C2) domain and a membrane-distal variable (V) domain that is responsible for ligand recognition. CD84, also known as LY9B and SLAMF5, is a homophilic member of the SLAM (signaling lymphocyte activation molecule) subfamily of the CD2 family. The SLAM family receptorsmediate signal transduction through the interaction of its ITSM (immunoreceptor tyrosine-based switch motifs) in the intracellular region and the SH2 domain of adaptor molecules SAP (SLAM-associated protein) and EAT-2 (EWS-activated transcript 2), and accordingly modulate both adaptive and innate immune responses. The CD84-CD84 interaction was independent of its cytoplasmic tail. Thus, CD84 is its own ligand and acts as a costimulatory molecule. CD84 is expressed on cells from almost all hematopoietic lineages and on CD34+ hematopoietic progenitor cells, suggesting that CD84 serves as a marker for committed hematopoietic progenitor cells.
Product Categories/Family for anti-CD84 antibody	ITIM/ITAM Immunoreceptors and Related Molecules
References	Martin M, et al. (2001) CD84 functions as a homophilic adhesion molecule and enhances IFN-gamma secretion: adhesion is mediated by Ig-like domain 1. J Immunol. 167(7): 3668-76.Tangye SG, et al. (2002) CD84 is up-regulated on a major population of human memory B cells and recruits the SH2 domain containing proteins SAP and EAT-2. Eur J Immunol. 32(6): 1640-9.Zaiss M, et al. (2003) CD84 expression on human hematopoietic progenitor cells. Exp Hematol. 31(9): 798-805.Tangye SG, et al. (2003) Functional requirements for interactions between CD84 and Src homology 2 domain-containing proteins and their contribution to human T cell activation. J Immunol. 171(5): 2485-95.Yan Q, et al. (2007) Structure of CD84 provides insight into SLAM family function. Proc Natl Acad Sci U S A. 104(25): 10583-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502687
NCBI GeneID	8832
NCBI Accession #	NP_003865.1
NCBI GenBank Nucleotide #	NM_003874.3
UniProt Accession #	Q9UIB8; O15430; O95266; O95660; Q5H9R1; Q6FHA8; Q8WLP1; Q8WWI8; Q9UF04; Q9UIB6; B2R8T1; B7Z3R8
Molecular Weight	24,025 Da
NCBI Official Full Name	SLAM family member 5 isoform 2

NCBI Official Synonym Full Names	CD84 molecule
NCBI Official Symbol	CD84
NCBI Official Synonym Symbols	LY9B; hCD84; mCD84; SLAMF5
NCBI Protein Information	SLAM family member 5
UniProt Protein Name	SLAM family member 5
UniProt Gene Name	CD84
UniProt Synonym Gene Names	SLAMF5
UniProt Entry Name	SLAF5_HUMAN

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/cd84-antibody-clone-6-immunoprecipitation-western-blot-elisa/254429>