

Anti-CD72 Reference Antibody (U.California patent anti-CD72)

Catalog # APR11541

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P21854
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-CS
Calculated MW	40220

Additional Information

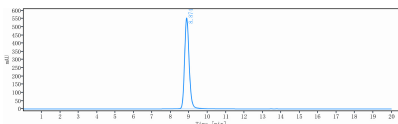
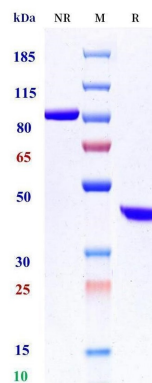
Target/Specificity	CD72
Expression system	CHO

Protein Information

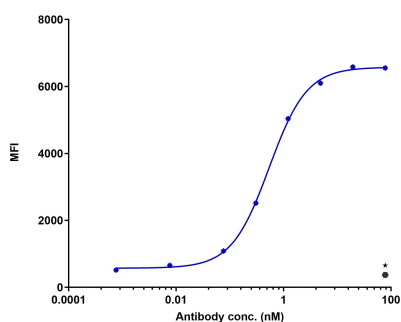
Name	CD72
Function	Co-receptor of B cell receptor (BCR) that plays both positive and negative roles on B-cell functions. Recognizes the Sm/ribonucleoprotein (RNP) self-antigen ligand, and coligation of CD72 and BCR inhibits BCR signaling. Mechanistically, ligand binding leads to the recruitment of PTPN6/SHP-1 to the BCR complex which is inhibitory to BCR signaling. Also acts as a ligand for CD5 and thereby plays a critical role in maintaining regulatory T and B-cell homeostasis.
Cellular Location	Membrane; Single-pass type II membrane protein.
Tissue Location	Pre-B-cells and B-cells but not terminally differentiated plasma cells

Images

Anti-CD72 Reference Antibody (U.California patent anti-CD72) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-CD72 Reference Antibody (U.California patent anti-CD72) is 99.51%, determined by SEC-HPLC.



PLVX-puro-CD72-FL cell line were stained with U.California patent anti-CD72 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.5397 nM.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.