

CD72 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14188c**Specification**

CD72 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P21854
Other Accession	NP_001773.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40220
Antigen Region	176-203

CD72 Antibody (Center) - Additional Information**Gene ID** 971**Other Names**

B-cell differentiation antigen CD72, Lyb-2, CD72, CD72

Target/Specificity

This CD72 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-203 amino acids from the Central region of human CD72.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD72 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CD72 Antibody (Center) - 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.

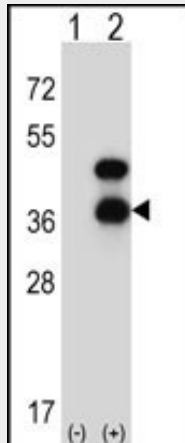
Tissue Location

Pre-B-cells and B-cells but not terminally differentiated plasma cells

CD72 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD72 Antibody (Center) - Images

Western blot analysis of CD72 (arrow) using rabbit polyclonal CD72 Antibody (Center) (Cat. #AP14188c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CD72 gene.

CD72 Antibody (Center) - Background

CD72 plays a role in B-cell proliferation and differentiation. Associates with CD5.

CD72 Antibody (Center) - References

- Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Kataoka, T.R., et al. J. Immunol. 184(5):2468-2475(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Xu, J., et al. J. Clin. Immunol. 28(3):214-219(2008)