

# Anti-CD72 [BU40] mAb

**Catalogue number:** 151433

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Margaret Goodall ; D.L. Hardie ; Roy Jefferis ; Ian MacLennen

**Institute:** University of Birmingham

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD72 [BU40] mAb

**Alternate name:** CD72 Molecule; CD72 Antigen; Lyb-2; CD72b; LYB2

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** CD72, a member of the C-type lectin superfamily, is a 45 kDa type II transmembrane glycoprotein. It is expressed from the pro-B through to the mature B cell stage but absent in terminally differentiated plasma cells. Ligation of CD72 enhances B cell growth and proliferation.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** HF B1 plasmacytoid cell line. Considered to be late B like.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CD72

**Target alternate names:**

**Target background:** CD72, a member of the C-type lectin superfamily, is a 45 kDa type II transmembrane glycoprotein. It is expressed from the pro-B through to the mature B cell stage but absent in terminally differentiated plasma cells. Ligation of CD72 enhances B cell growth and proliferation.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** FACS ; IHC; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** RPMI 1640 + 10% FCS

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Mayall et al. 2001. J Comp Pathol. 124(1):83-7. PMID: 11428193. ; The anti-human CD21 antibody, BU33, identifies equine B cells. ; Scholssman SF. et al. 1995. Leucocyte Typing V. Oxford University Press. ISBN-13: 978-0192623768 ; Henchoz et al. 1994. Immunology. 81(2):285-90. PMID: 7512529. ; Stimulation of human IgE production by a subset of anti-CD21 monoclonal antibodies: requirement of a co-signal to modulate epsilon transcripts. ; Bacon et al. 1993. Eur J Immunol. 23(10):2721-4. PMID: 7691616. ; CD21 expressed on basophilic cells is involved in histamine release triggered by CD23 and anti-CD21 antibodies. ; Aubry et al. 1992. Nature. 358(6386):505-7. PMID: 1386409. ; CD21 is a ligand for CD23 and regulates IgE production. ; Leucocyte Typing IV, 1989. Oxford University Press. ISBN-13: 978-0192618672

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