

# Anti-CD44 [BU75]

**Catalogue number:** 153222

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Margaret Goodall

**Institute:** University of Birmingham

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD44 [BU75]

**Alternate name:** HCAM; homing cell adhesion molecule; Pgp-1; phagocytic glycoprotein-1; Hermes antigen; lymphocyte homing receptor; ECM-III; HUTCH-1.

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** The CD44 antigen is a cell-surface glycoprotein involved in cell to cell and cell-matrix interactions, cell adhesion and migration, which it achieves through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Follicular dendritic cells and germinal centre B cells

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Human tonsil tissue, HL-60 whole cell lysate, HeLa whole cell lysate

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CD44

**Target alternate names:**

**Target background:** The CD44 antigen is a cell-surface glycoprotein involved in cell to cell and cell-matrix interactions, cell adhesion and migration, which it achieves through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes.

**Molecular weight:** 90-95 kDa

**Ic50:**

## Applications

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

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

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

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

## Related tools

**Related tools:**

## References

**References:** Leucocyte Typing V, (1995): edited by S.F. Schlossman, OUP, Oxford.

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