

# Anti-CD54 [YN1/1.7.4]

**Catalogue number:** 160510

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Fumio Takei

**Institute:** BC Cancer

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD54 [YN1/1.7.4]

**Alternate name:** ICAM-1

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** CD-54, also known as ICAM-1, is a cell surface glycoprotein expressed on epithelial, lymphocytes, macrophages, dendritic cells, and other immune cells. It plays a role in cellular signalling to stabilize cell-cell interactions and also binds to integrins of type CD11a/CD18 and CD11b/CD18. It has also been shown to be a target for rhinoviruses. This antibody recognizes the murine lymphocyte antigen MALA-2. This antibody inhibits the mixed lymphocyte response and inhibits Con A blasts to MALA-2. This antibody was purified from ascite fluid using ammonium sulfate (50% saturation) precipitation followed by DEAE affi-gel blue chromatography.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2b kappa

**Reactivity:** Mouse

**Selectivity:**

**Host:** Rat

**Immunogen:** NS-1 cells

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CD54

**Target alternate names:**

**Target background:** CD-54, also known as ICAM-1, is a cell surface glycoprotein expressed on epithelial, lymphocytes, macrophages, dendritic cells, and other immune cells. It plays a role in cellular signalling to stabilize cell-cell interactions and also binds to integrins of type CD11a/CD18 and CD11b/CD18. It has also been shown to be a target for rhinoviruses. This antibody recognizes the murine lymphocyte antigen MALA-2. This antibody inhibits the mixed lymphocyte response and inhibits Con A blasts to MALA-2. This antibody was purified from ascite fluid using ammonium sulfate (50% saturation) precipitation followed by DEAE affi-gel blue chromatography.

**Molecular weight:** 95 kDa

**Ic50:**

## Applications

**Application:** IP ; FACS ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

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

## Related tools

**Related tools:**

**References**

**References:**

CancerTools.org