

Recombinant CD84/SLAMF5 Monoclonal Antibody

catalog number: **AN300093P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

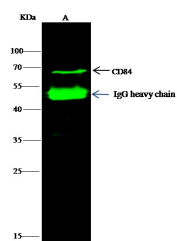
Description

| | |
|---------------------|---------------------------------|
| Reactivity | Human |
| Immunogen | Recombinant Human CD84 protein |
| Host | Rabbit |
| Isotype | IgG |
| Clone | A1207 |
| Purification | Protein A |
| Buffer | 0.2 µm filtered solution in PBS |

Applications Recommended Dilution

| | |
|-----------|-----------------------|
| WB | 1:500-1:1000 |
| IP | 0.2-1 µL/mg of lysate |

Data



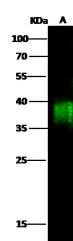
Immunoprecipitation analysis using 0.5 µL anti-CD84 Monoclonal Antibody and 15 µL of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using CD84 Monoclonal Antibody at a dilution of 1:500. Lane

A: 0.5 mg Raw264.7 Whole Cell Lysate

Observed-MW: 39 kDa

Calculated-MW: 39 kDa



Western Blot with CD84 / SLAMF5 Monoclonal Antibody at dilution of 1:500. Lane A: RAW264.7 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 39 kDa

Calculated-MW: 39 kDa

Preparation & Storage

| | |
|-----------------|--|
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Shipping | Ice bag |

Background

For Research Use Only

The CD2 family receptors are type I transmembrane glycoproteins belonging to immunoglobulin (Ig) superfamily characterized by a membrane-proximal Ig constant 2 (C2) domain and a membrane-distal variable (V) domain that is responsible for ligand recognition. CD84, also known as LY9B and SLAMF5, is a homophilic member of the SLAM (signaling lymphocyte activation molecule) subfamily of the CD2 family. The SLAM family receptors mediate signal transduction through the interaction of its ITSM (immunoreceptor tyrosine-based switch motifs) in the intracellular region and the SH2 domain of adaptor molecules SAP (SLAM-associated protein) and EAT-2 (EWS-activated transcript 2), and accordingly modulate both adaptive and innate immune responses. The CD84-CD84 interaction was independent of its cytoplasmic tail. Thus, CD84 is its own ligand and acts as a costimulatory molecule. CD84 is expressed on cells from almost all hematopoietic lineages and on CD34+ hematopoietic progenitor cells, suggesting that CD84 serves as a marker for committed hematopoietic progenitor cells.