CD69 (A-5): sc-373798

**BACKGROUND**

CD69 is expressed as a disulfide-linked homodimer called the activation inducer molecule (AIM), which is composed of two differentially glycosylated forms of a single protein. CD69 is among the earliest antigens to appear after activation of T cells, B cells and NK cells. CD69 is expressed constitutively on platelets, CD4+ or CD8+ thymocytes, and germinal center T cells, but is absent from resting lymphocytes.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CD69 (human) mapping to 12p13.31; Cd69 (mouse) mapping to 6 F3.

**SOURCE**

CD69 (A-5) is a mouse monoclonal antibody raised against amino acids 1-199 representing full length CD69 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2b kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

CD69 (A-5) is recommended for detection of CD69 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunoassay (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000). Suitable for use as control antibody for CD69 siRNA (h): sc-42800, CD69 siRNA (m): sc-42801, Cd69 shRNA Plasmid (h): sc-42800-SH, Cd69 shRNA Plasmid (m): sc-42801-SH, CD69 shRNA (h) Lentiviral Particles: sc-42800-V and Cd69 shRNA (m) Lentiviral Particles: sc-42801-V.

Molecular Weight of CD69 dimer: 60 kDa.

Molecular Weight of glycosylated CD69 subunits: 27/33 kDa.

Positive Controls: HuT 78 whole cell lysate: sc-2208, K-562 whole cell lysate: sc-2203 or IB4 whole cell lysate: sc-364780.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


**DATA**

**CD69 (A-5): sc-373798. Western blot analysis of CD69 expression in K-562 (A), HuT 78 (B) and IB4 (C) whole cell lysates.**

**CD69 (A-5): sc-373798. Immunofluorescence staining of methyl-fixed HeLa cells showing membrane localization.**

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.