

For Research Use Only

CD69 Monoclonal antibody

Catalog Number: 68827-1-Ig



Basic Information

Catalog Number:

68827-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG3

Immunogen Catalog Number:

AG30963

GenBank Accession Number:

BC007037

GeneID (NCBI):

969

UNIPROT ID:

Q07108

Full Name:

CD69 molecule

Calculated MW:

23 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

3D10A2

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : U-937 cells, THP-1 cells, HL-60 cells

Background Information

CD69, also known as AIM, EA-1, Leu-23, and MLR3, is a type II transmembrane glycoprotein that belongs to the C-type lectin superfamily (PMID: 8340758; 7804122). CD69 is constitutively expressed by mature thymocytes, platelets, and several subsets of tissue-resident immune cells (including resident memory T cells and gamma delta T cells), and is inducibly expressed by activated T cells, B cells, natural killer (NK) cells, monocytes, neutrophils (PMID: 8100776; 28475283). CD69 has been identified as an early activation marker of lymphocytes and is commonly used as a marker of activated lymphocytes and NK cells (PMID: 28475283; 25759842). It is involved in regulating immune responses (PMID: 15745855).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

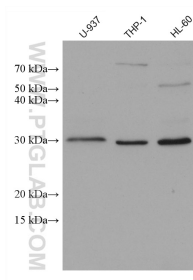
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68827-1-Ig (CD69 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.