

For Research Use Only

# CD99 Monoclonal antibody, PBS Only



Catalog Number: 60354-1-PBS

## Basic Information

Catalog Number:

60354-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19474

GenBank Accession Number:

BC021620

GeneID (NCBI):

4267

UNIPROT ID:

P14209

Full Name:

CD99 molecule

Calculated MW:

19 kDa, 16 kDa, 17 kDa

Observed MW:

32 kDa

Purification Method:

Protein G purification

CloneNo.:

5B6A4

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

CD99, also known as MIC2, is a heavily O-glycosylated transmembrane protein involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. CD99 is broadly distributed on many cell types, with particularly strong expression on human cortical thymocytes, Ewing's sarcoma cells and peripheral primitive neuroectodermal tumors (PMID: 9794396; 16984917). In normal cells, CD99 has been functionally implicated in cell adhesion, migration, apoptosis, differentiation, activation, and proliferation of lymphocytes and monocyte extravasation and transport of several transmembrane proteins (PMID: 16984917). CD99 displays two surface isoforms generated by alternative splicing: a long 32 kDa and a short 28 kDa form (PMID: 12368226).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

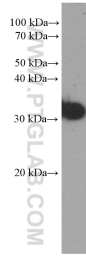
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



human spleen tissue were subjected to SDS PAGE followed by western blot with 60354-1-Ig (CD99 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60354-1-PBS in a different storage buffer formulation.