

For Research Use Only

CD99 Monoclonal antibody

Catalog Number: 60354-1-Ig **1 Publications**



Basic Information

Catalog Number: 60354-1-Ig	GenBank Accession Number: BC021620	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4267	CloneNo.: 5B6A4
Source: Mouse	UNIPROT ID: P14209	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: CD99 molecule	
Immunogen Catalog Number: AG19474	Calculated MW: 19 kDa, 16 kDa, 17 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human spleen tissue, HeLa cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Zhang	30297778	Nat Struct Mol Biol	WB

Storage

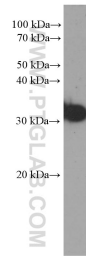
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.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.