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Product datasheet for CF800823

CD99 Mouse Monoclonal Antibody [Clone ID: OTI1E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E7
Applications:	FC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD99 (NP_002405) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16.7 kDa
Gene Name:	CD99 molecule (Xg blood group)
Database Link:	NP_002405 Entrez Gene 4267 Human P14209

View online »

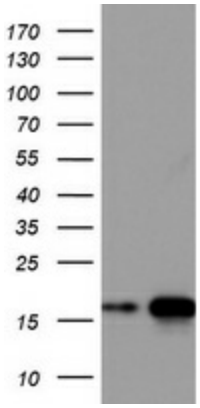
Background: The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms: HBA71; MIC2; MIC2X; MIC2Y; MSK5X

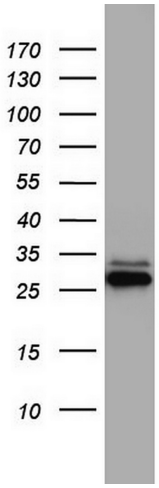
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

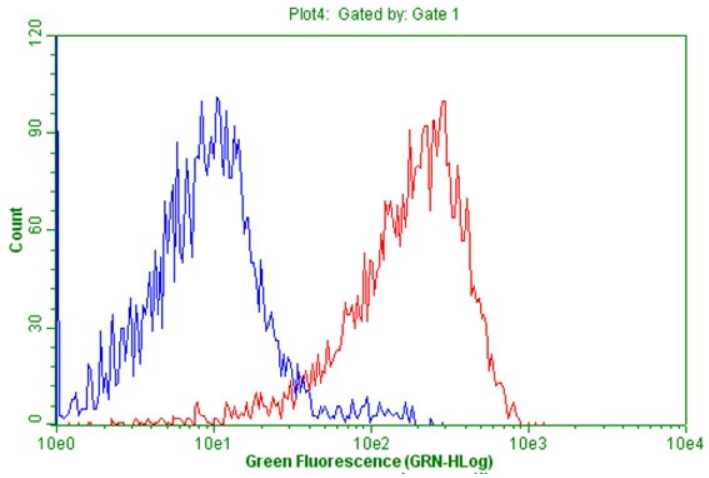
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD99 ([RC204056], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD99. Positive lysates [LY400863] (100ug) and [LC400863] (20ug) can be purchased separately from OriGene.



Western blot analysis of A549 cell lysate (35ug) by using anti-CD99 monoclonal antibody. Dilution: 1:500



Flow cytometric Analysis of living Jurkat cells, using anti-CD99 antibody ([TA800823]), (Red), compared to a nonspecific negative control antibody, (Blue).