

Product datasheet for **TA800820M**

CD99 Mouse Monoclonal Antibody [Clone ID: OTI1A4]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1A4 |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human CD99 (NP_002405) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| 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 |
| Database Link: | NP_002405 Entrez Gene 4267 Human P14209 |

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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:

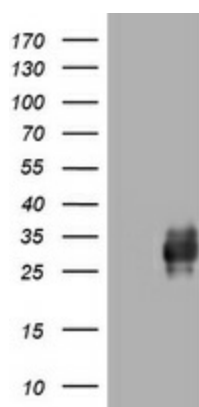
HBA71; MIC2; MIC2X; MIC2Y; MSK5X

Protein Families:

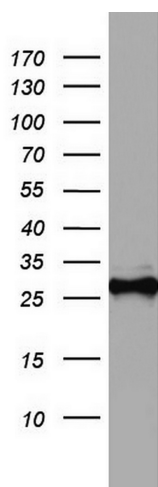
Druggable Genome, Transmembrane

Protein Pathways:

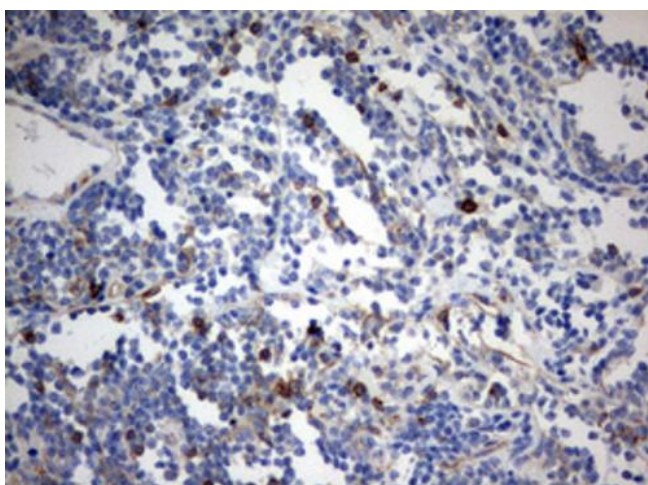
Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

Product images:


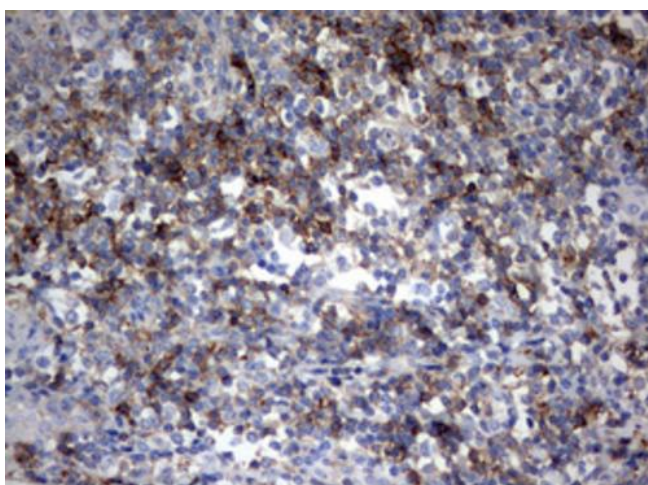
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD99 [RC204056], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD99. Positive lysates [LY400863] (100ug) and [LC400863]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



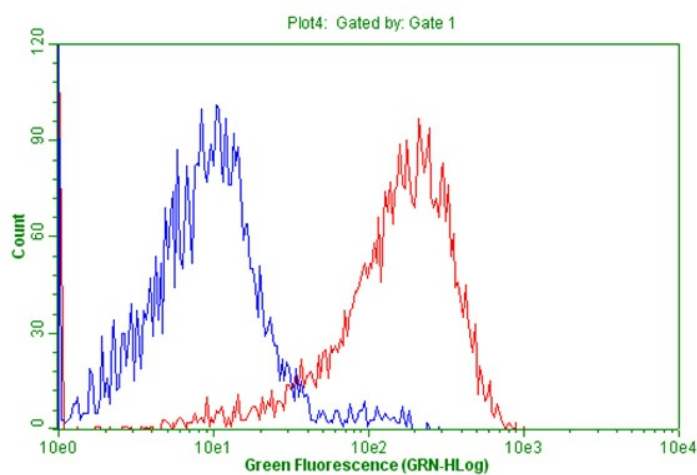
Western blot analysis of A549 cell lysate (35ug) by using anti-CD99 monoclonal antibody. Dilution: 1:500



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD99 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD99 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric Analysis of living Jurkat cells, using anti-CD99 antibody ([TA800820]), (Red), compared to a nonspecific negative control antibody, (Blue).