

## Product datasheet for **TA800916S**

### CD99 Mouse Monoclonal Antibody [Clone ID: OTI4E1]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI4E1  |
| 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:          | <a href="#">NP_002405</a><br><a href="#">Entrez Gene 4267 Human</a><br><a href="#">P14209</a>             |



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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:**

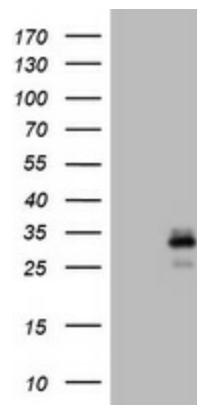
HBA71; MIC2; MIC2X; MIC2Y; MSK5X

**Protein Families:**

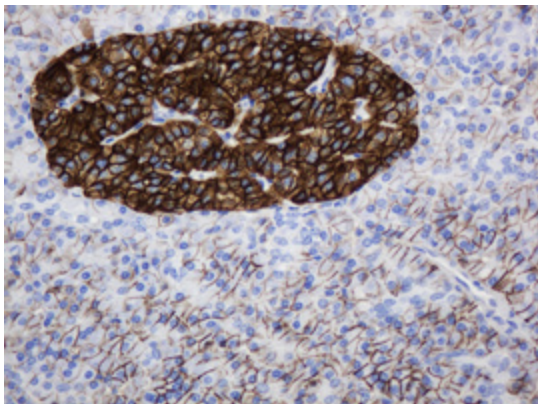
Druggable Genome, Transmembrane

**Protein Pathways:**

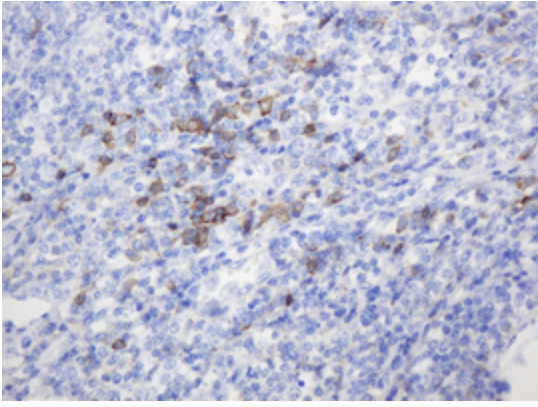
Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

**Product images:**

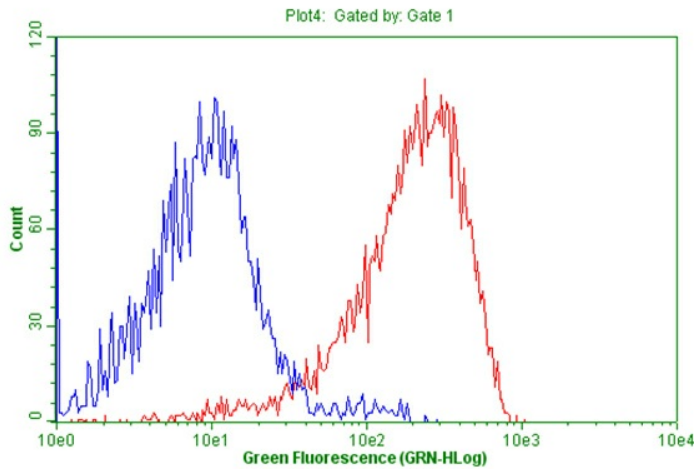
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD99 [RC204056], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD99. Positive lysates [LY400863] (100ug) and [LC400863]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



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CD99 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800916])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD99 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA800916])



Flow cytometric Analysis of living Jurkat cells, using anti-CD99 antibody ([TA800916]), (Red), compared to a nonspecific negative control antibody, (Blue).