



Rabbit Anti-CD99 antibody

SL2523R

| | |
|-------------------------------|---|
| Product Name: | CD99 |
| Chinese Name: | CD99抗体 |
| Alias: | T-cell surface glycoprotein E; T cell surface glycoprotein E2 precursor; 12E7; Antigen identified by monoclonal 12E7 Y homolog; Antigen identified by monoclonal antibodies 12E7 F21 and O13; CD 99; CD99 antigen; CD99 molecule; CD99X; E2 antigen; Ewing Sarcoma; MIC 2; MIC 2X; MIC 2Y; MIC2; MIC2X; MIC2Y; Monoclonal antibody 12E7; MSK5X; Protein MIC2; Surface antigen MIC2. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Mouse,Rat, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 16kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from mouse CD99:45-150/175<Extracellular> |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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].

Function:

Involved in T-cell adhesion processes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1.

Subunit:

Homodimer. Interacts with PILRB.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Natural killer cells.

Similarity:

Belongs to the CD99 family.

SWISS:

Q8VCN6

Gene ID:

673094

Database links:

[Entrez Gene: 4267](#)Human

[Entrez Gene: 673094](#)Mouse

[Omim: 313470](#)Human

[SwissProt: P14209](#)Human

[SwissProt: Q8VCN6](#)Mouse

[Unigene: 653349](#)Human

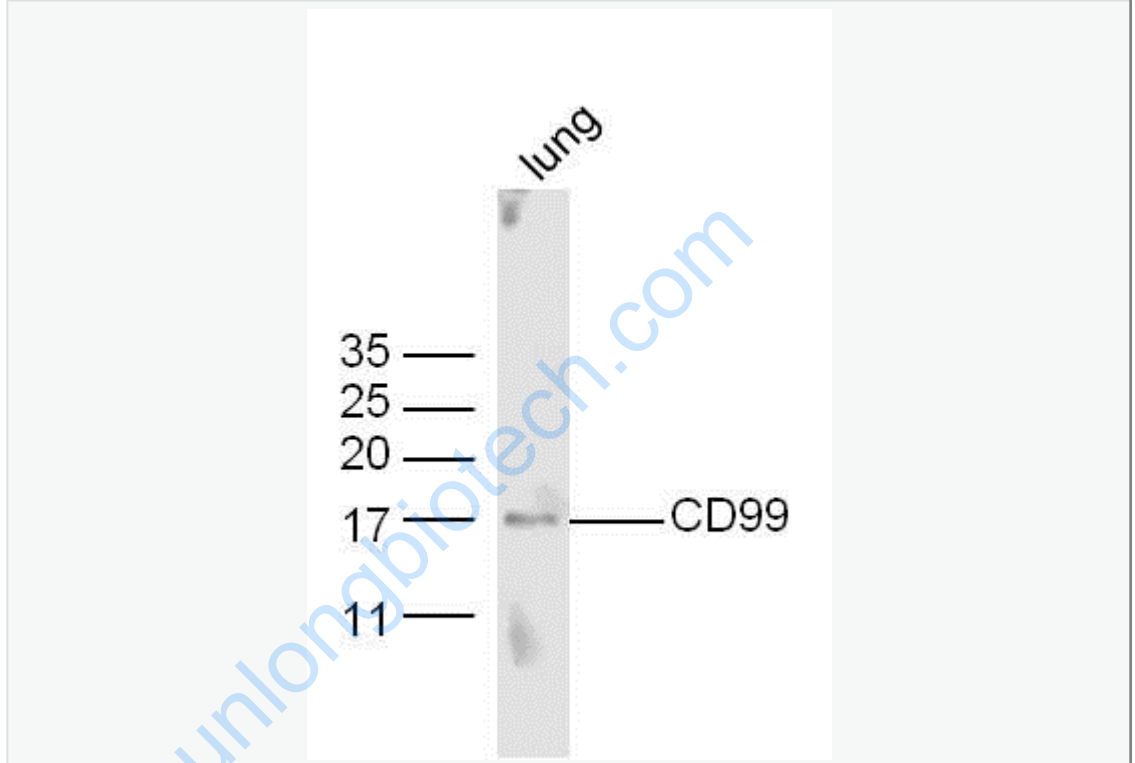
[Unigene: 423040](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD99 (P30/32MIC2) 是一种Transmembrane protein, 为MIC2基因产物。分布于lymphocyte、胸腺皮质细胞、卵巢的颗粒细胞、胰岛细胞和睾丸支持细胞。

Picture:



Sample: Lung (Mouse) Lysate at 30 ug

Primary: Anti- CD99 (SL2523R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution

Predicted band size: 16 kD

Observed band size: 16 kD