

CD99 monoclonal antibody

Catalog: MB65996

Host: Mouse

Reactivity: Human

BackGround:

CD99 is a transmembrane protein involved in many cellular functions, including cell adhesion and migration, endocytosis and exocytosis, and intracellular protein trafficking. It is highly expressed in all leukocyte lineages, Sertoli cells, granulosa cells, and pancreatic islet cells. Due to alternative splicing, there are two isoforms of CD99 that differ at the carboxy terminus. CD99 Type I (CD99wt) is the full-length form containing 185 amino acids and CD99 Type II (CD99sh) contains 161 amino acids. Their expression is differentially regulated and they may have opposite functions in different contexts. CD99 is expressed in many types of tumors and has been used for differential diagnosis of conventional Ewing sarcoma. It has been actively pursued as a therapeutic target. On the other hand, CD99 may also play a tumor suppressor role in other tumors, such as Hodgkin's lymphomas, osteosarcomas, and pancreatic tumors.

Product:

Mouse IgG. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 18 kDa

Swiss-Prot:

P14209

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC (1/100 - 1/300)

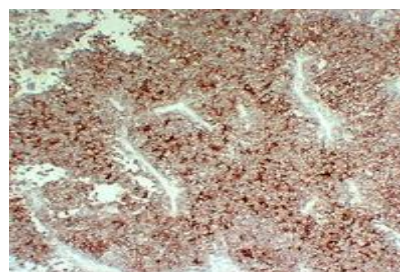
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CD99 protein.

DATA:



Immunohistochemical analysis of CD99 staining in human ewing's sarcoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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