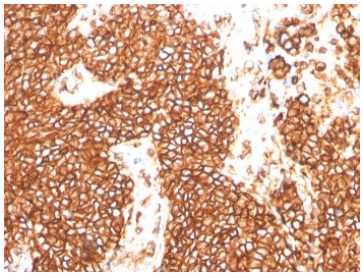
Recombinant CD99 Antibody [clone MIC2/3478R] (V8748)

Catalog No.	Formulation	Size
V8748-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8748-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8748SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

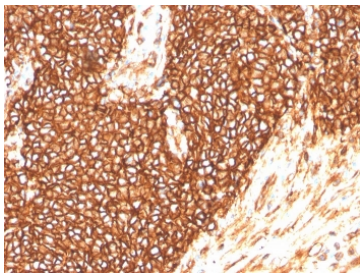
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	MIC2/3478R
Purity	Protein A affinity chromatography
UniProt	P14209
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant CD99 antibody is available for research use only.



IHC staining of FFPE human Ewings sarcoma with recombinant CD99 antibody (clone MIC2/3478R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Description

CD99 is a type I transmembrane glycoprotein encoded by the CD99 gene and the functions of CD99 in cells in which CD99 was highly expressed have been studied and they were as follows: cell death of thymocytes and T lymphocytes, migration through monocyte endothelial junctions by adhesion and diapedesis, cell-cell adhesion in lymphocytes, maintenance of cellular morphology in Hodgkin and Reed/Sternberg cells, and recruitment of T cells.CD99 expression has been reported in many cell types, such as hematopoietic cells, endothelial cells, central nervous system ependymal cells, thymocytes, granular cells of the ovary, Sertoli cells, and pancreatic islet cells. And in tumors it expressed by virtually almost all Ewing s sarcoma and primitive peripheral neuroectodermal tumors (ES/PNET) and demonstrates strong and diffuse membranous staining. Other tumors that may show CD99 expression include neuroendocrine carcinomas, mesenchymal chondrosarcomas, solitary fibrous tumors, synovial sarcomas, vascular tumors, small round blue cell tumors, lymphoblastic lymphoma, acute myeloid leukemia, and myeloid sarcoma. Studies have shown that CD99 may be a sensitive marker for Ewing s sarcoma and peripheral neuroectodermal tumors.

Application Notes

Optimal dilution of the recombinant CD99 antibody should be determined by the researcher.

Immunogen

A synthetic peptide from the C-terminal region of the human protein was used as the immunogen for the recombinant CD99 antibody.

Storage

Store the recombinant CD99 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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