



Mouse Anti-Human CD99 monoclonal antibody, clone JID210 (CABT-L2776)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human CD99
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID210
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Ewings Sarcoma, Pancreas
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction Cluster of differentiation 99 (CD99) is a glycosylated transmembrane protein expressed by lymphocytes, cortical thymocytes, granulosa cells of the ovary, pancreatic islet cells, Sertoli cells, and endothelial cells. CD99 produces diffuse membrane staining patterns on nearly all Ewing's sarcoma and primitive peripheral neuroectodermal tumors. CD99 may be found in synovial sarcoma, neuroendocrine carcinoma, acute myeloid leukemia, mesenchymal chondrosarcoma, lymphoblastic lymphoma, small round blue cell tumors, solitary fibrous tumors, vascular tumors, and myeloid sarcoma and produce heterogeneous staining patterns, which must be accompanied by other antibody staining for a final diagnosis.

Keywords CD99;CD99 molecule;MIC2;HBA71;MIC2X;MIC2Y;MSK5X;CD99 antigen;E2 antigen;surface antigen MIC2;T-cell surface glycoprotein E2;MIC2 (monoclonal antibody 12E7);antigen identified by monoclonal 12E7, Y homolog;antigen identified by monoclonal antibodies 12E7, F21 and O13;

GENE INFORMATION

Gene Name	CD99 CD99 molecule [Homo sapiens (human)]
Official Symbol	CD99
Synonyms	CD99; CD99 molecule; MIC2; HBA71; MIC2X; MIC2Y; MSK5X; CD99 antigen; E2 antigen; surface antigen MIC2; T-cell surface glycoprotein E2; MIC2 (monoclonal antibody 12E7); antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal antibodies 12E7, F21 and O13;
Entrez Gene ID	4267
Protein Refseq	NP_001116370
UniProt ID	P14209
Chromosome Location	Xp22.32 and Yp11.3
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration;