Product datasheet

anti-CD99 mouse monoclonal, EBS-CD-044, purified

Short overview

Cat. No.	691611
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	EBS-CD-044
Immunogen	Purified E-rosette forming cells from human PBL
Formulation	PBS with 0.02% sodium azide
UniprotID	P14209 (Human)
Synomym	CD99 antigen, 12E7, E2 antigen, Protein MIC2, T-cell surface glycoprotein E2, CD antigen CD99, CD99, MIC2, MIC2X, MIC2Y
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

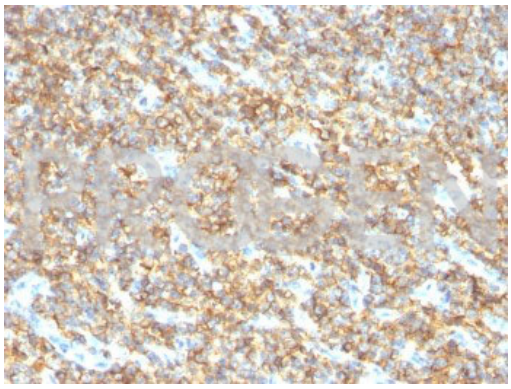
Flow Cytometry (FACS)	1-2 µg/million cells in 0.1 ml; fix cells in 4% PFA for 10 min at 4°C, permeabilize with 0.02% saponin or digitonin for 15 min at 4°C
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:25-1:50 (2-4 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-044 reacts with CD99 or MIC2. Human thymocytes, PBLs and some T-ALL isolates and cell lines are positive. It is also present on pancreas and on Ewing sarcoma, which forms the practical application of the antibody. It is involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes.

Positive control: pancreas, thymus, Ewing sarcoma.

Product images



Ewing sarcoma