

Product datasheet

anti-CD56 mouse monoclonal, EBS-CD-033, purified

Short overview

Cat. No.	691595
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-033
Immunogen	A crude membrane preparation of a small cell lung cancer
Formulation	PBS with 0.02% sodium azide
UniprotID	P13591 (Human)
Synonym	Neural cell adhesion molecule 1, N-CAM-1, NCAM-1, CD antigen CD56, NCAM1, NCAM
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

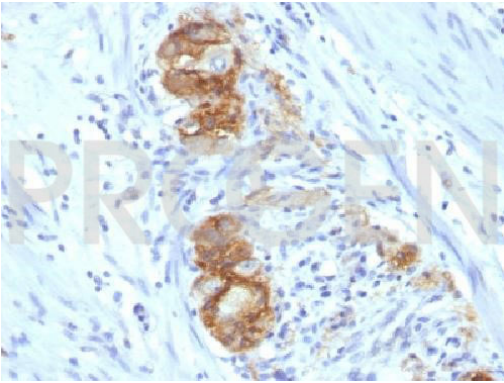
ELISA	Assay dependent
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-033 reacts with an extracellular domain (close to the cell membrane) of CD56/NCAM. Only two isoforms of NCAM are recognized by EBS-CD-033 (180 kDa and 145 kDa). EBS-CD-033 was used successfully for immunoscintigraphy and immunotherapy of SCLC xenografts in nude mice. EBS-CD-033 recognizes NCAM in retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell lung carcinomas. NCAM is also expressed on some mesodermally derived tumors (a.o. rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.

Positive control: cerebellum, pancreas, neuroblastoma.

Product images



Human colon