

Product datasheet

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

Short overview

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

Product description

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| 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

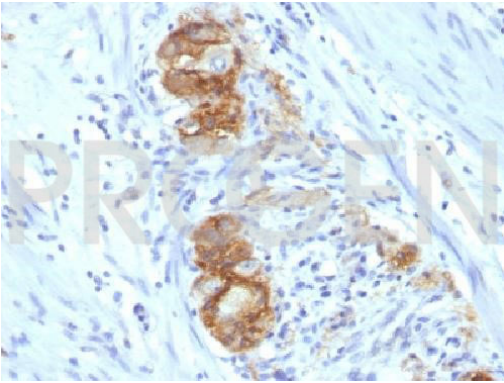
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| ELISA | Assay dependent |
| Flow Cytometry (FACS) | 0.5-1.0 µg/million cells in 0.1 ml |
| Immunocytochemistry (ICC) | 1:100-1:200 (0.5-1.0 µg/ml) |
| Immunohistochemistry (IHC) - frozen | 1:50-1:100 (1-2 µg/ml) |
| Immunohistochemistry (IHC) - paraffin | 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