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DATA SHEET

Mouse Anti-CD56/SCLC/NCAM [123C3]: MC0290, MC0290RTU7

Intended Use: For Research Use Only

Description: Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule which is glycosylated or sialylated to produce the mature species. NCAM (CD56) is reported to express on most neuroectodermal derived cell lines, tissues, and neoplasms such as retinoblastoma, medullblastoma, astrocytoma, and neuroblastoma. It is also expressed on some mesodermally derived tumors such as rhabdomyosarcoma and also on natural killer cells.

Specifications:

Clone:	123C3
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Membrane preparation of a small cell lung carcinoma
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., ICC

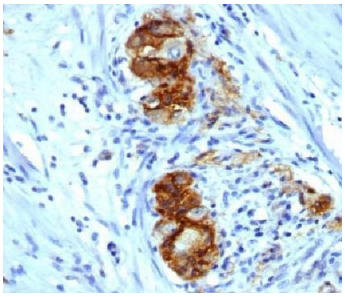
Package:

Description	Catalog No.	Size
CD56/SCLC/NCAM Concentrated	MC0290	1 ml
CD56/SCLC/NCAM Prediluted	MC0290RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Neuroblastoma, neuroendocrine cancer
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon ganglion stained with anti-CD56 using DAB

References:

1. Selective expansion of the {beta}-cell compartment in the pancreas of keratinocyte growth factor transgenic mice. Wagner M, et al. Am J Physiol Gastrointest Liver Physiol : 2008.
2. A peptide from the first fibronectin domain of NCAM acts as an inverse agonist and stimulates FGF receptor activation, neurite outgrowth and survival. Anderson AA, et al. J Neurochem 95:570-83, 2005.
3. Prognostic factors in resected non-small cell lung cancer: an immunohistochemical study of 39 cases. Kwa HB, et al. Lung Cancer 16:35-45, 1996.
4. Radioimmunotherapy of small-cell lung cancer xenografts using 131I-labelled anti-NCAM monoclonal antibody 123C3. Kwa HB et al. Cancer Immunol Immunother 41:169-74, 1995.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com