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DATA SHEET

Mouse Anti-CD171/NCAM-L1 [C2]: MC0306, MC0306RTU7

Intended Use: For Research Use Only

Description: Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. Neuronal cell adhesion molecule (NCAM) expression is observed in a variety of human tumors, including neuroblastomas, rhabdomyosarcomas, Wilm's tumors, Ewing's sarcomas and some primitive myeloid malignancies. The NCAM-L1 adhesion molecule (CD171) plays an important role in axon guidance and cell migration in the nervous system. The presence of NCAM-L1 might contribute to tumor progression by promoting cell adhesion and migration and is known to be expressed by neurons, neuroblastomas and other malignant tumors.

Specifications:

Clone:	C2
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human, mouse, rat
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, IP, WB

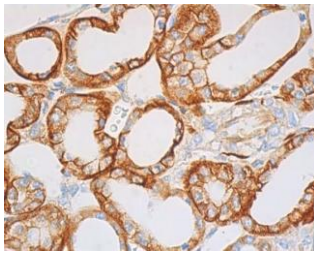
Package:

Description	Catalog No.	Size
CD171/NCAM-L1 Concentrated	MC00306	1 ml
CD171/NCAM-L1 Prediluted	MC00306RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Human kidney, stomach cancer, cerebellum, colon
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0 15 minutes using Pressure Cooker, or 30-60 minutes using 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 kidney tissue stained with anti-NCAM-L1 using DAB

References:

1. A fragment of adhesion molecule L1 is imported into mitochondria, and regulates mitochondrial metabolism and trafficking. Kraus K. et al. J Cell Sci. 2018 May 8;131(9), 2018.
2. Plasma Extracellular Vesicles Enriched for Neuronal Origin: A Potential Window into Brain Pathologic Processes.
3. Mustapic M, et al. Front Neurosci. May 22;11:278, 2017.
4. miR-143 inhibits oncogenic traits by degrading NUAK2 in glioblastoma. Fu TG et al. Int J Mol Med 37:1627-35, 2016.

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