

Mouse Anti-CD171/NCAM-L1 [D5]: 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:

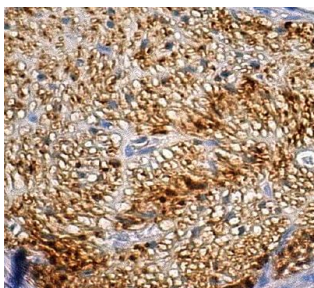
Clone: D5
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, mouse, rat
 Immunogen: Human NCAM-L1 C-terminus aa 921-1120
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, IF, IP, WB
 Package:

Description	Catalog No.	Size
CD171/NCAM-L1 Concentrated	MC0306	1 ml
CD171/NCAM-L1 Prediluted	MC0306RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Human kidney, stomach cancer, cerebellum, colon
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0 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 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 NUA2 in glioblastoma. Fu TG et al. Int J Mol Med 37:1627-35, 2016.