

Mouse Anti-LECT2 (Leukocyte cell-derived Chemotaxin 2) [MD391]: MC0650, MC0650RTU7

Intended Use: For Research Use Only

Description: LECT2 (Leukocyte cell-derived Chemotaxin 2) is made in liver and released to circulation with multiple biologic functions, including in liver regeneration and fibrogenesis. LECT2 amyloidosis is a rare form of systemic amyloidosis with frequent liver involvement. Structurally, LECT2 consists of 133 amino acids and features three intramolecular disulfide bonds that contribute to LECT2's stability and functional versatility. Notably, homologues of LECT2 have been identified across various vertebrate species, indicating LECT2's evolutionary significance. The multifunctional role of LECT2 encompasses processes such as cell growth, differentiation, tissue damage repair, carcinogenesis, and the modulation of autoimmune diseases. Furthermore, LECT2 expression is specifically induced in the liver through β -catenin signaling pathways, and elevated serum levels of LECT2 have been associated with liver recovery, suggesting LECT2's potential utility as a prognostic biomarker in liver-related conditions.

Specifications:

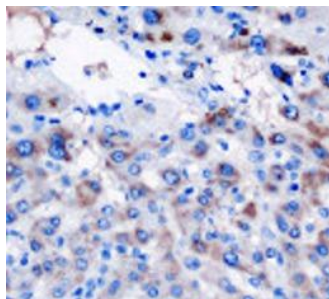
Clone:	MD391
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human, mouse, rat
Immunogen:	Epitope aa 48-75 near the N-terminus of human LECT2 protein
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, IP, WB
Package:	

Description	Catalog No.	Size
LECT2 (Leukocyte cell-derived Chemotaxin 2) Concentrated	MC0650	1 ml
LECT2 (Leukocyte cell-derived Chemotaxin 2) Prediluted	MC0650RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Liver, kidney, spleen
Concentrated Dilution:	25-200
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 liver fibrosis stained with anti-LECT2 using DAB

References:

1. An introduction to the performance of immunohistochemistry. Magaki S, Hojat et al. Methods Mol Biol. 1897:289-298, 2019.
2. Leukocyte chemotactic factor 2: A novel renal amyloid protein. Benson MD, James S, Scott K, et al. Kidney Int. 4(2):218-222, 2008.
3. Expression pattern of a newly recognized protein, LECT2, in hepatocellular carcinoma and its premalignant lesion. Uchida T, Nagai H, Gotoh K, et al. Pathol Int. 49(2):147-151, 1999.

Doc. 100-MC0650
Rev. A