

Product datasheet

anti-LRP1 (85kDa) mouse monoclonal, 5A6, lyophilized w/o sodium azide, purified

Short overview

Cat. No.	61066
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	5A6
Immunogen	Human LRP/alpha2MR
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Hamster, Human, Mouse, Rabbit, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:20
Immunohistochemistry (IHC) - paraffin	1:20 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

5A6 specifically reacts with the 85 kDa b-chain of human LRP/a2MR which is expressed in a restricted spectrum of cell types (for a recent review cf. Herz & Strickland). A strong immunohistochemical reaction is seen in hepatocytes, tissue macrophages, subsets of neurones and astrocytes in the central nervous system, fibroblasts, smooth muscle cells, and monocyte-derived foam cells in atherosclerotic lesions in the arterial wall. The antibody can also be used for the characterization of a subset of myelo-monocytic subtypes of chronic and acute leukemia (CD 91). Neutralizing effects of 5A6 have also been reported (Basu et al., 2001).

Basu S, Binder RJ, Ramalingam T, Srivastave PK: CD91 is a common receptor for heat shock proteins gp96, hsp90, hsp 70, and calreticulin. *Immunity* 14, 303-313 (2001)

Product images



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References

Publication	Species	Application
Misra, U. K., Gawdi, G. & Pizzo, S. V. Ligation of low-density lipoprotein receptor-related protein with antibodies elevates intracellular calcium and inositol 1,4, 5-trisphosphate in macrophages. Arch. Biochem. Biophys. 372, 238-47 (1999).	mouse	ICC-IF
Strickland, D. K. et al. Sequence identity between the alpha 2-macroglobulin receptor and low density lipoprotein receptor-related protein suggests that this molecule is a multifunctional receptor. J. Biol. Chem. 265, 17401-4 (1990).	human	WB