

## Product datasheet

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

### Short overview

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

### Product description

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

### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:20
<b>Immunohistochemistry (IHC) - paraffin</b>	1:20 (microwave treatment recommended)
<b>Western Blot (WB)</b>	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, Srivastava 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
<a href="#">Misra, U. K., Gawdi, G. &amp; 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).</a>	mouse	ICC-IF
<a href="#">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).</a>	human	WB