

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: H63180M **Lot #:** 3C06922

Description: MAb to Low Density LRP (515 kDa)
Monoclonal Antibody to Human Low Density Lipoprotein Receptor-Related Protein (LRP), 515 kDa.

Specificity: Specifically reacts with the 515 kDa alpha-chain of human LRP/alpha₂ MR expressed in certain cell types. A strong immunohistochemical reaction is seen in hepatocytes, tissue macrophages, subsets of neurons and astrocytes in the CNS, fibroblasts, smooth muscle cells and monocyte-derived foam cells in atherosclerotic lesions of arterial walls. Will block a2M binding.

Host Animal: Mouse **Isotype:** IgG₁, kappa

Source: Ascites

Immunogen: Human LRP/alpha₂ MR

Format: Purified, Liquid

Purification: Protein A Chromatography

Concentration: 2.0 mg/mL (OD280nm, E^{0.1%} = 1.36)

Buffer: 0.05 M Sodium Phosphate containing 0.15 M Sodium Chloride, pH 7.4.

Preservative: None

Applications: Western Blot (non-reducing conditions): 1–5 µg/mL
Immunohistochemistry using paraffin and frozen sections: 1–10 µg/mL
Flow cytometry will recognize an epitope on the extracellular domain.
Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Upon receipt, aliquot and store at -70°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:
1. Strickland, et al., (1990), J. Biol. Chem., **265**, 17401–17404.
2. Coukos, et al., (1994), Am. J. Pathology, **144**, 383–392.
3. Rebeck, et al., (1993), Neuron, **11**, 575–580.
4. Gonias, et al., (1992), Am. J. Pathology, **141**, 37–42.
5. Strickland, et al., (1995), FASEB J., **9**, 890–898.

Laverly J. Orr

Quality Signature:

20 March 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY