

Molecular Innovations, Inc.

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Certificate of Analysis

Product: Murine Monoclonal against anti human 85 kDa low density LRP
(clone 1) – MA-5A6

Date: 16 June, 2005

Lot: MA-5A6-605

Molecular Weight: 160,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: Not determined

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.72 $\epsilon^{0.1\%} = 1.36$
Concentration = 2.0 mg/mL

Applications:

Cross-reacts with rabbit and mouse LRP, will not block ligand binding.

ELISA at 1:10,000, western blot using non-reducing conditions at 1-5 ug/ml.

Immunohistochemistry using paraffin and frozen sections at 1-10 ug/ml.

Flow cytometry will recognize an epitope on the extracellular domain. Precise epitope location unknown, binding competition with MA-8B8 unknown.

Considerations:

Monoclonal antibody produced in mouse ascites.

Class: IgG2b

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl;
1mM EDTA; pH 6.6

References for LRP Monoclonal Antibodies:

Strickland et al. *J.Biol.Chem*, **265**, 17401-17404, 1990. Western blotting, purified human LRP.

Coukos et al. *American J. Pathology*, **144**, 383-392, 1994. Histochemical localization of LRP in human placental tissue, and in cultured trophoblasts.

Rebeck et al. *Neuron*, **11**, 575-580, 1993. Histochemical localization of LRP in human.

Van Uden et al. *J.Biol.Chem*, **275**, 30525, 2000. FACS of glial cells.

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