

## Molecular Innovations, Inc.

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# Certificate of Analysis

**Product:** Murine Monoclonal against anti human 85 kDa low density LRP (clone 2) – MA-8B8

**Date:** 11 January, 2006

**Lot:** MA-8B8-106

**Molecular Weight:** 160,000 by SDS PAGE

### Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: Not determined

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.66     $\epsilon^{0.1\%} = 1.36$   
Concentration = 1.22 mg/mL

### Applications:

Cross-reacts with rabbit LRP.

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-5A6 unknown.

### Considerations:

Monoclonal antibody produced in mouse ascites.

Class: IgG1

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

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; pH 7.4

### 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.

*Duane E. Day*

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