

Molecular Innovations, Inc.

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Certificate of Analysis

Product: Murine Monoclonal against anti human 515 kDa low density LRP
(clone 1) – MA-8G1

Date: January, 2006

Lot: MA-8G1-106

Molecular Weight: 160.000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: Not determined

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 6.86 $\epsilon^{0.1\%}$ = 1.36
Concentration = 5.05 mg/mL

Applications:

Human specific antibody will block a2M binding.

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.

Considerations:

Monoclonal antibody produced in mouse ascites and purified by protein A.

Class: IgG1k

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.

Li et al. *Cancer Lett.*, **111**, 199-205, 1997. Flow cytometry using MA-8G1.

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