

Molecular Innovations, Inc.

21315 Hilltop Street
Southfield, MI 48033
TEL: (248) 353-4900
FAX: (248) 353-4929
<http://www.mol-innov.com>

Certificate of Analysis

Product: Mouse monoclonal to human VLDL Receptor – MA-1H10

Date: February, 2008

Lot: MA-1H10-208

Molecular Weight: 160,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: Not determined

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 4.08 $\epsilon^{0.1\%} = 1.36$
Concentration = 3.0 mg/mL

Applications:

Monoclonal antibody produced in mouse. Useful for ELISA and western blot under non-reducing conditions. Binds to an epitope on the C-terminus of VLDL receptor and blocks apoE4 binding.

Considerations:

Monoclonal antibody produced in cell culture.

Class: IgG1

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

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

References:

The apoE isoform binding properties of the VLDL receptor reveal marked differences from LRP and the LDL receptor.

Jose Ruiz, Diana Kouivskaia, Molly Migliorini, Susan Robinson, Evgueni L. Saenko, Natalia Gorlatova, Donghua Li, Daniel Lawrence, Bradley T. Hyman, Karl H. Weisgraber, and Dudley K. Strickland
J. Lipid Res., Aug 2005; 46: 1721 - 1731.

Duane E. Day

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