

Molecular Innovations, Inc.

21315 Hilltop Street
Southfield, MI 48036
TEL: (248) 353-4927
FAX: (248) 353-4929
Web Site: <http://www.mol-innov.com>

Certificate of Analysis

Product: Biotin labeled Human Multimeric Vitronectin – HVN-U-BIO

Date: 11 October, 2006

Lot: HVN-U-BIO-1006

Molecular Weight: 75,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 3.5 $\epsilon^{0.1\%}$ = 1.38
Concentration = 2.5 mg/mL

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.01 M Sodium Phosphate; 0.1 M NaCl; pH 7.4
Other: > 98% pure by SDS PAGE
Labeling Ratio: 2 mole biotin / mole vitronectin

References:

Tomasini BR & Mosher DF. Conformational states of vitronectin: preferential expression of an antigenic epitope when vitronectin is covalently and noncovalently complexed with thrombin-antithrombin III or treated with urea. *Blood*. 72: 903-912, 1988.
Bittorff SV et al. Alteration of vitronectin. Characterization of changes induced by treatment with urea. *J Biol Chem*. 268(33): 24838-46, 1993.

Duane E. Day

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