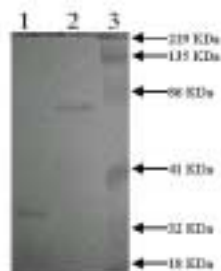


Molecular Innovations, Inc.

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Certificate of Analysis



Western Blot - 10% SDS-PAGE
ASHUPA-GF-BIO-1003 at 5 ug/ml Primary
Avidin All: Phos at 1:100,000 Secondary
1 uPA (1 ug) Reduced
2 uPA (1 ug) + CPAI (5 ug) Reduced
3 Prestained Standard

Product: Biotin labeled Rabbit Anti-human uPA IgG Fraction – ASHUPA-GF-BIO

Date: 10 October 2003

Lot: ASHUPA-GF-BIO-1003

Molecular Weight: ~160,000

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 10 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.58 $\epsilon^{0.1\%}$ = 1.36
Concentration = 1.9 mg/mL

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; 1 mM EDTA; pH 6.6
Biotin Incorporation: 3.7 moles biotin/mole IgG as determined by HABA assay.
Other: > 98% pure by SDS PAGE

Titers:

1:4000 for ELISA.
1:400 for Western Blot and Immunohistochemistry.

Duane E. Day

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