

Product: RNP A Protein
Catalog #: 03-62051
Amount: 20 mg

SOURCE: HeLa cells (human cell line)
MOLECULAR WEIGHT: 34,000 (SDS-PAGE)
ISOELECTRIC POINT: pHI 8.2 - 8.5
APPLICATION: **Reference protein in SDS-PAGE and immuno blotting (Western blotting) or dot blotting**
1-2 µg protein per lane is sufficient for SDS-PAGE
0.5 µg protein sufficient for dot or immunoblotting
Coating protein for immunoassays
50 ng-100ng protein per well is sufficient

RECONSTITUTION: The A protein is a target for anti-RNP sera. Autoimmune antibodies against this protein are present in sera from patients with MCTD and SLE. When reconstituted with 200µl H₂O dist, solution will contain 25mM Tris, 190mM Glycin, pH 8.3, 0.025 % (w/v) SDS with a protein conc. of 0.1 mg/ml (according to Bradford protein determination). For SDS-PAGE and immunoblotting reconstitution with 200 µl Laemmli buffer is recommended.

PURITY & INDENTITY: Preparation shows one 34 kDa band in SDS-PAGE analysis. This band is specifically immuno-reactive with an anti A mAb (Cat.#: 03-61051).

STORAGE: Preparation may contain A' Protein (33 kDa). 2-8°C for immediate use, or at -20°C (aliquot)

REFERENCES:

Combe, B.et al. (1989) Clin. exp. Immunol. 75: 18 ff
Guldner, H.H.et al. (1986) Clin. Immunol. Immunopathol. 40: 532 ff
Habets, W.J.et al. (1990) Arthritis Rheum. 33 (6): 834 ff
Lüthmann, R. (1988): In: Structure and function of major and minor small nuclear ribonucleoprotein particles. Birmstil, M.L. (ed.), Springer Verlag, Berlin/New York, pp. 71 ff
Reichlin, M. and Van Venrooij, W.J (1991) Clin. exp. Immunol. 83: 286 ff
Takeda, Y. et al. (1989) Clin. Immunol. Immunopathol. 50: 213 ff
Tan, E.M (1989) Adv. Immunol. 44: 93 ff

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