



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Mouse anti Rec.Pr.Thyrosin Phosphate (RPTP)

Catalogue number: **MUB1811P**

Clone	3D7
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse (Balb/c)
Species reactivity	Human Rat Swine
Application	Flow cytometry Immunoblotting Immunofluorescence Immunoprecipitation

## Distributors

For Purchasing Information, please contact your local distributor

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### Background

Receptor-like protein tyrosine phosphatases (RPTPs) represent a new family of transmembrane proteins that are thought to transduce external signals by dephosphorylating phosphotyrosine residues on intracellular substrates. RPTPu is a prototypic receptor-like protein-tyrosine phosphatase (RPTP) that mediates homotypic cell-cell interactions. Intracellularly, RPTPu consists of a relatively large juxtamembrane region (about 150 amino acids) and two conserved phosphatase domains. As in most RPTPs, the first (membrane-proximal) PTP domain of RPTPu is catalytically active, whereas its second (C-terminal) domain is inactive. RPTPu is involved in cell-cell adhesion through homophilic interactions and may also play a key role in signal transduction and growth control.

### Source

3D7 is a Mouse monoclonal IgG2a antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with ExG protein, secreted by NIH-3T3 transfected cells and purified with glutathione beads. The cells have been transfected using a fusion construct, termed ExG, encoding the entire ectodomain of the Human RPTPu molecule (aa 1-742), fused COOH terminally to GST.

### Product

Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

**Applications**

3D7 is useful for western blot, immunofluorescence, immunoprecipitation and flow cytometry. Optimal antibody dilution should be determined by titration.

**Specificity**

Monoclonal antibodies 3G4 and 3D7 have been directed anti the extracellular domain of RPTPu.

**Storage**

Store at 4°C, or in small aliquots at -20°C.

**References**

1. Gerben C. M. Zondag, Albert B. Reynolds, and Wouter H. Moolenaar. THE JOURNAL OF BIOLOGICAL CHEMISTRY Vol. 275, No. 15, Issue of April 14, pp. 11264-11269, 2000.

**Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.