



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Phosphotyrosine biotin conjugate. Mouse Monoclonal Antibody

**BACKGROUND**

The role of tyrosine phosphorylation in transduction of the mitogenic signal from transmembrane receptors and in transformation by oncogene tyrosine kinases has been the subject of intense investigation for several years. While the phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal mitogenesis, cell cycle progression and oncogenic transformation, its role in other areas such as differentiation and gap junction communication, is a matter of active and ongoing research. Antibodies that specifically recognize phosphorylated tyrosine residues have proved to be invaluable to the study of tyrosine-phosphorylated proteins biochemical pathways in which they function. The biotin conjugate of clone PY20 anti-phosphotyrosine is especially useful for the detection of phosphotyrosyl proteins in western blotting, immunohistochemical and immunocytochemical protocols in situations wherein the use of a secondary antibody would produce unacceptable background signals. In addition, the strength of the biotin-streptavidin interaction and the immense variety of streptavidin-coupled probes available make PY20-biotin a very versatile reagent.

**IMMUNOGEN**

Hybridoma produced from Balb/C mice immunized with phosphotyrosine coupled to carrier protein.

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Application: A dilution of 1:5,000 is suggested for western blot or ELISA, 1:500 for immunohistochemistry or immunocytochemistry.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1016S

**SIZE**

50 µg

**FORM**

Biotin

**HOST/CLONE**

Mouse Clone PY20

**FORMULATION**

Provided as sterile filtered solution containing 20 mM sodium phosphate, 150 mM sodium chloride, 50% glycerol at pH 7.5 and 3 mM sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG2b

**APPLICATIONS**

Western Blot, Immunoprecipitation, Enzyme Immunoassay,

**SPECIES REACTIVITY**

Ubiquitous

**ACCESSION NUMBER**

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**PURIFICATION**

**SHIP CONDITIONS**

Room Temperature

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**