

DESCRIPTION

Specificity	Detects proteins containing phosphorylated tyrosine residues. ELISA and Western blot analyses using pervanadate-treated cell lysates indicate that clone 179003 binds phospho-tyrosine in a broad manner largely independent of the surrounding amino acid sequ
Source	Monoclonal Mouse IgG ₁ Clone # 179003
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	KLH-coupled phospho-tyrosine synthetic peptide
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Tyrosine phosphorylation is considered to be one of the key steps in signal transduction and regulation of enzymatic activity. The phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal cell cycle progression and oncogenic transformation. The role of tyrosine phosphorylation is a matter of active and ongoing research. Specific antibodies that recognize phosphorylated tyrosine residues are valuable to the study of tyrosine phosphorylated proteins and the biochemical pathways in which they are involved.

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