

## Mouse Monoclonal Antibody to

# Phosphotyrosine

## clone 2C8

## FITC-labelled

**Order No.:** 0027-100FITC/PTYR-2C8

**Size (µg)** 100

**Lot No.:** 0027S



03/080507F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	flow cytometry	pattern	none	... G - pY - Y ...	phosphopeptide conjugated to KLH

### Background and Specificity:

Phosphorylation and dephosphorylation of cellular proteins are central steps in transducing extracellular signals to the cell nucleus. Phosphorylated epitopes may serve as docking sites for the assembly of protein complexes or may alter the 3-dimensional protein structure thus modulating enzymatic activity or the ability to undergo protein-protein-interactions. Modification of proteins on tyrosine residues is mediated by protein tyrosine kinases. Tyrosine phosphorylation may alter the biological activity or mediate the assembly of protein complexes via interaction of phosphotyrosine residues with SH2 or PID domains.

**Mab PTYR-2C8** recognizes a broad range of tyrosine--phosphorylated proteins in crude cell extracts and may therefore be particularly well-suited for the detection/screening of tyrosine phosphorylated proteins.

### Related Products

#### mab against Phosphotyrosine

#0028-100/pTyr-3B12

#0029-100/pTyr-9H8

#0030-100/pTyr-16F4

#0133-100/pTyr-2A5

#0156-100/pTyr-9F1

#0226-100/pTyr-1F9

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>Formulation:</b>	liquid; 0.5 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose
<b>Reconstitution:</b>	
<b>Stability:</b>	Aliquote and freeze in liquid nitrogen; antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
	<b>Avoid repeated freeze / thaw cycles.</b>
<b>Positive Control:</b>	none
<b>Immunoblotting:</b>	Please use unconjugated or biotinylated antibodies for this application (see related product list).

**Immunoprecipitation:** ND

**Immunocytochemistry:**

**ELISA:** ND

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**