

Monoclonal Antibody to Phosphotyrosine (incl. pos. control) - FITC

Catalog No.:	AM00124FC-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	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.
Host / Isotype:	Mouse / IgG1
Clone:	2C8
Immunogen:	Synthetic phosphopeptide conjugated to KLH
Format:	State: Liquid purified IgG Purification: Size exclusion chromatography Buffer System: PBS/0.09% Na-Azide/PEG and Sucrose Label: FITC
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	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. Species: Human, Mouse, Rat, Dog. Other species not tested.
Storage:	Store the antibody at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. Shelf life: one year from despatch.