

Product datasheet for **AM03182PU-N**

Phosphotyrosine (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 1F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1F9
Applications:	ELISA, IP, WB
Recommended Dilution:	Western blotting: 0.5 µg/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Positive control: phosphotyrosine MW standard (supplied with this antibody detection kit). Immunoprecipitation: use at 1 - 10 µg per 10e6 pervanadate-treated A431 cells. ELISA: 0.05 µg/ml.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Phosphopeptide conjugated to hemocyanine
Specificity:	Clone 1F9 recognizes phosphotyrosine in the context of the surrounding amino acids, tolerating charged amino acids directly neighboured to phosphotyrosine. Epitope: ...P-E-pY-H-N...
Formulation:	Lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Subsequent ultrafiltration and size exclusion chromatography
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at -20°C. Upon reconstitution, aliquot and freeze in liquid nitrogen. Reconstituted antibody can be stored frozen at - 80°C.



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Stability:

Shelf life: one year from despatch.
Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to three months.
Avoid repeated freezing and thawing.

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.