

AM33265PU-S**Monoclonal Antibody to Phosphotyrosine - Purified**

Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	Protein phosphorylation is a fundamental event in the regulation of a large number of intracellular processes. Phosphorylation of specific tyrosine residues is the result of activation or stimulation of their respective protein tyrosine kinases. The phosphorylated proteins can be auto-phosphorylated kinases or certain cellular protein substrates. Tyrosine-phosphorylated proteins are involved in signal transduction and in the regulation of cell proliferation.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	SPM102
Immunogen:	Phosphotyrosine conjugated to KLH
Format:	State: Liquid purified IgG fraction from Bioreactor Concentrate Purification: Protein A/G Chromatography Buffer System: 10mM PBS Preservatives: 0.05% Sodium Azide Stabilizers: 0.05% BSA
Applications:	ELISA: Use BSA free Antibody for Coating. Western Blot: 0.5-1 µg/ml. Flow Cytometry: 0.5-1 µg/10 ⁶ cells. Immunofluorescence: 1-2 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 1-2 µg/ml for 30 minutes at RT. No special pretreatment is required for staining of formalin/paraffin tissues. <i>Recommended Positive Control:</i> MCF-7, MDA-231, T47-D cells or breast carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	Depends upon the phosphorylated target
Specificity:	Antibody to phosphotyrosine provides an excellent tool for the detection, characterization, and purification of phosphotyrosine containing proteins. This Monoclonal antibody shows no cross-reaction with other phosphoamino acids and is superb for multiple applications including staining of formalin/paraffin tissues. <i>Cellular Localization:</i> Depends upon the location of phosphorylated target.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.

General Readings:

1. Glenney JR, Zokas L, Kamps MP. Monoclonal antibodies to phosphotyrosine. J Immunol Methods. 1988 May 9;109(2):277-85. PubMed PMID: 2452204.

Pictures:

Formalin-Fixed, Paraffin-Embedded breast carcinoma stained with Phosphotyrosine Antibody Cat.-No AM33265PU (Clone SPM102). Note cell surface and cytoplasmic staining.

