

## Product datasheet for **AM33265PU-S**

### Phosphotyrosine Mouse Monoclonal Antibody [Clone ID: SPM102]

#### Product data:

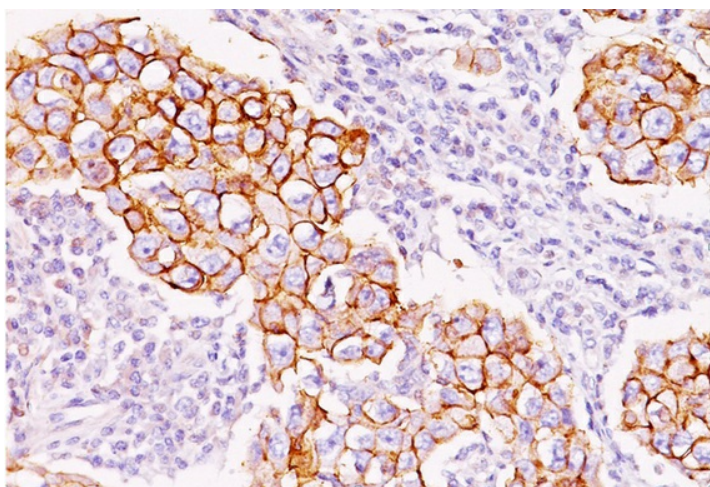
Product Type:	Primary Antibodies
Clone Name:	SPM102
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for Coating. <b>Western Blot:</b> 0.5-1 µg/ml. <b>Flow Cytometry:</b> 0.5-1 µg/10 <sup>6</sup> cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 1-2 µg/ml for 30 minutes at RT. No special pretreatment is required for staining of formalin/paraffin tissues. <b>Recommended Positive Control:</b> MCF-7, MDA-231, T47-D cells or breast carcinoma.
Reactivity:	All Species
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Phosphotyrosine conjugated to KLH
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. <b>Cellular Localization:</b> Depends upon the location of phosphorylated target.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography



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Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	Depends upon the phosphorylated target
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.

### Product images:



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