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DATA SHEET

Mouse Anti-Phosphotyrosine [PY20]: MC0914, MC0914RTU7

Intended Use: For Research Use Only

Description: 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. An antibody to phosphotyrosine provides an excellent tool for the detection, characterization, and purification of phosphotyrosine-containing proteins.

Specifications:

Clone:	PY20
Source:	Mouse
Isotype:	IgG2b
Reactivity:	All species
Localization:	Depends upon the location of phosphorylated target
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB

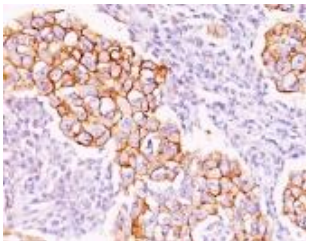
Package:

Description	Catalog No.	Size
Phosphotyrosine Concentrated	MC0914	1 ml
Phosphotyrosine Prediluted	MC0914RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Breast ca MCF-7, MDA-231, T47-D cells
Concentrated Dilution:	25-100
Pretreatment:	None
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human breast carcinoma stained with anti-Phosphotyrosine using DAB

References:

1. Exosomes as nanocarriers for systemic delivery of the Helicobacter pylori virulence factor CagA. Shimoda A, et al. Sci Rep 6:18346, 2016.
2. Structure of a mammalian ryanodine receptor. Zalk R, et al. Nature 517:44-9, 2015.
3. GLUT10 deficiency leads to oxidative stress and non-canonical avß3 integrin-mediated TGFß signalling associated with extracellular matrix disarray in arterial tortuosity syndrome skin fibroblasts. Zoppi N, et al. Hum Mol Genet N/A:N/A, 2015.
4. LASP1 is a novel BCR-ABL substrate and a phosphorylation-dependent binding partner of CRKL in chronic myeloid leukemia. Frietsch JJ, et al. Oncotarget 5:5257-71, 2014.

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