Technical Data Sheet

HRP Mouse Anti-Phosphotyrosine

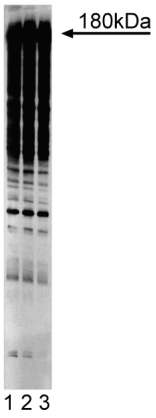
Product Information

Material Number:	**610012**
Size:	150 µg
Concentration:	250 µg/ml
Clone:	PY20
Isotype:	Mouse IgG2b
Reactivity:	QC Testing: Human Tested in Development: Chicken, Dog, Frog, Mouse, Rat
Storage Buffer:	Aqueous buffered solution containing BSA and glycerol.

Description

Phosphorylation of specific tyrosine residues is the result of of activation or stimulation or stimulation of their respective protein tyrosine kinases. The phosphorylated proteins can be autophosphorylated kinases or certain cellular protein substrates that are regulated in oncogenesis or cell growth. Antibodies to phosphotyrosine provide one of the best tools for the detection and characterization of phosphotyrosine proteins.

Technical Note: The use of milk-containing buffers may interfere with a phosphotyrosine antibody's ability to bind specific proteins of interest. Please use BSA-containing buffers for blocking and incubating purposes.



Western blot analysis of phosphotyrosine on A431 cell lysate. *Lane 1: 1:2500, lane 2: 1:5000, lane 3: 1:10000 dilution of anti-phosphotyrosine, PY20.*

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with HRP under optimum conditions, and unconjugated antibody and free HRP were removed.
Store undiluted at -20° C.

Application Notes

Application

Western blot	Routinely Tested
Immunoprecipitation	Not Recommended
Immunofluorescence	Not Recommended
Immunohistochemistry	Not Recommended

Suggested Companion Products

Catalog Number	Name	Size	Clone
611448	A431 + EGF Cell Lysate	500 µg	(none)

BD Biosciences

www.bdbiosciences.com

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877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit **www.bdbiosciences.com/how_to_order/**

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Alderton F, Rakhit S, Kong KC, et al. Tethering of the platelet-derived growth factor beta receptor to G-protein-coupled receptors. A novel platform for integrative signaling by these receptor classes in mammalian cells. *J Biol Chem.* 2001; 276(30):28578-28585.(Clone-specific: Western blot)

Borges E, Jan Y, Ruoslahti E. Platelet-derived growth factor receptor beta and vascular endothelial growth factor receptor 2 bind to the beta 3 integrin through its extracellular domain. *J Biol Chem.* 2000; 275(51):39867-39873.(Clone-specific: Western blot)

Goitsuka R, Tatsuno A, Ishiai M, Kurosaki T, Kitamura D. MIST functions through distinct domains in immunoreceptor signaling in the presence and absence of LAT. *J Biol Chem.* 2001; 276(38):36043-36050.(Clone-specific: Western blot)

Hemmeryckx B, Reichert A, Watanabe M, et al. BCR/ABL P190 transgenic mice develop leukemia in the absence of CrkI. *Oncogene.* 2002; 21(20):3225-3231.(Clone-specific: Western blot)

Smith AJ, Surviladze Z, Gaudet EA, Backer JM, Mitchell CA, Wilson BS. p110beta and p110delta phosphatidylinositol 3-kinases up-regulate Fc(epsilon)RI-activated Ca2+ influx by enhancing inositol 1,4,5-trisphosphate production. *J Biol Chem.* 2001; 276(20):17213-17220.(Clone-specific: Western blot)