Technical Data Sheet

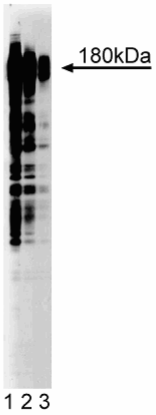
Purified Mouse Anti-Phosphotyrosine

Product Information

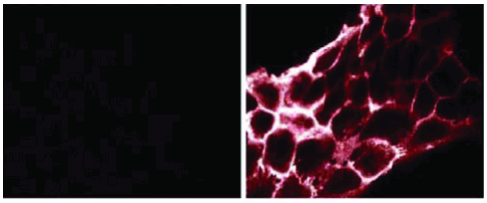
Material Number:	**610430**
Size:	1.0 mg
Concentration:	1.0 mg/ml
Clone:	PY69
Isotype:	Mouse IgG2a
Reactivity:	QC Testing: Human Tested in Development: Mouse, Rat, Chicken, Dog, Frog
Storage Buffer:	Aqueous buffered solution containing glycerol and ≤0.09% sodium azide.

Description

Phosphorylation of specific tyrosine residues is the result of activation 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.



Western blot analysis of Phosphotyrosine on A431 lysate. *1:1000 (lane 1), 1:2000 (lane 2), 1:4000 (lane 3) dilution of Phosphotyrosine.*



Phosphotyrosine, clone PY69. *Left panel: A431 control. Right panel: A431 + EGF*

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at -20°C.

Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry	Tested During Development
Immunoprecipitation	Tested During Development

Recommended Assay Procedure:

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.

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. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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References

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