

#14005 Store at -20°C

Phospho-Tyrosine (P-Tyr-1000) MultiMab® Rabbit mAb mix (Sepharose® Bead Conjugate)



Cell Signaling
TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IP	Reactivity: All	Sensitivity: Endogenous	MW (kDa): N/A	Source/Isotype: Rabbit IgG
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Product Usage Information	Application Immunoprecipitation	Dilution 1:20
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol. Store at -20°C. Do not aliquot the antibodies.	
Specificity / Sensitivity	Phospho-Tyrosine (P-Tyr-1000) MultiMab® Rabbit mAb mix (Sepharose® Bead Conjugate) recognizes a broad range of tyrosine-phosphorylated proteins and peptides. This antibody does not cross-react with proteins or peptides containing phospho-Ser or phospho-Thr residues.	
Source / Purification	MultiMab® rabbit monoclonal mix antibodies are prepared by combining individual rabbit monoclonal clones in optimized ratios for the approved applications. Each antibody in the mix is carefully selected based on motif recognition and performance in multiple assays. Each mix is engineered to yield the broadest possible coverage of the modification being studied while ensuring a high degree of specificity for the modification or motif.	
Product Description	This Cell Signaling Technology antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated Sepharose® beads. Phospho-Tyrosine (P-Tyr-1000) Rabbit mAb (Sepharose® Bead Conjugate) is useful for the immunoprecipitation of phospho-tyrosine containing proteins and peptides. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Phospho-Tyrosine (P-Tyr-1000) MultiMab® Rabbit mAb mix #8954.	

MW (kDa)	N/A
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Background	Tyrosine phosphorylation plays a key role in cellular signaling (1). Research studies have shown that in cancer, unregulated tyrosine kinase activity can drive malignancy and tumor formation by generating inappropriate proliferation and survival signals (2). Antibodies specific for phospho-tyrosine (3,4) have been invaluable reagents in these studies. The phospho-tyrosine monoclonal antibodies developed by Cell Signaling Technology are exceptionally sensitive tools for studying tyrosine phosphorylation and monitoring tyrosine kinase activity in high throughput drug discovery.
Background References	<ol style="list-style-type: none"> Schlessinger, J. (2000) <i>Cell</i> 103, 211-25. Blume-Jensen, P. and Hunter, T. (2001) <i>Nature</i> 411, 355-65. Ward, S.G. et al. (1992) <i>J Biol Chem</i> 267, 23862-9. Glenney, J.R. et al. (1988) <i>J Immunol Methods</i> 109, 277-85.

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected

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