

#14017 Store at +4°C

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



**Cell Signaling**  
TECHNOLOGY®

**Orders:** 877-616-CELL (2355)  
orders@cellsignal.com

**Support:** 877-678-TECH (8324)

**Web:** info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

<b>Applications:</b> IP	<b>Reactivity:</b> All	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> N/A	<b>Source/Isotype:</b> Rabbit IgG
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<b>Product Usage Information</b>	<b>Application</b> Immunoprecipitation	<b>Dilution</b> 1:20
<b>Storage</b>	Supplied in PBS Buffer (pH 7.2), 0.1% Tween 20. Store at 4°C. Do not aliquot the antibodies.	
<b>Specificity / Sensitivity</b>	Phospho-Tyrosine (P-Tyr-1000) MultiMab® Rabbit mAb mix (Magnetic 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.	
<b>Source / Purification</b>	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.	
<b>Product Description</b>	This Cell Signaling Technology antibody is immobilized by the covalent reaction of formylbenzamide-modified antibody with hydrazide-activated magnetic bead. Phospho-Tyrosine (P-Tyr-1000) Rabbit mAb (Magnetic Bead Conjugate) is useful for immunoprecipitation assays. This 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

<b>Background</b>	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.
<b>Background References</b>	<ol style="list-style-type: none"> <li>Schlessinger, J. (2000) <i>Cell</i> 103, 211-25.</li> <li>Blume-Jensen, P. and Hunter, T. (2001) <i>Nature</i> 411, 355-65.</li> <li>Ward, S.G. et al. (1992) <i>J Biol Chem</i> 267, 23862-9.</li> <li>Glenney, J.R. et al. (1988) <i>J Immunol Methods</i> 109, 277-85.</li> </ol>

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