



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Phosphotyrosine:HRP

Catalog No.
DS-MB-02121

Target Species
Chemical

Isotype
IgG2b

Specificity

DS-MB-02121 recognizes phosphotyrosine, enabling the detection, characterization and isolation of proteins containing phosphorylated tyrosine residues.

The phosphorylation of tyrosine acts as an important signal in the control of cell mitogenesis, differentiation, proliferation, and migration and occurs following the activation of intracellular tyrosine kinases, including the T-cell receptor (TCR), epidermal growth factor (EGF) and many families of receptor and non-receptor protein tyrosine kinases (PTKs), which catalyze the transfer of ATP to a tyrosine residue on specific cell protein targets.

The binding of PY20 to phosphorylated tyrosines can be inhibited by free phosphotyrosine and phenylphosphate, but not by free phosphate, phosphoserine or phosphothreonine.

The affinity of PY20 for phosphotyrosine is 10^{-6} to 10^{-7} M.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Preservative Stabilizers: 0.01% Thiomersal, 50% Glycerol

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from dispatch

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			
Western Blotting			.	
Immunohistology - frozen			.	
Immunohistology - resin			.	
Immunohistology - Paraffin			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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