

Product datasheet for **AM00199HR-N**

Phosphotyrosine Mouse Monoclonal Antibody [Clone ID: PY20]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PY20
Applications:	ELISA
Recommended Dilution:	ELISA: 1/1000 - 1/4000.
Reactivity:	Broad
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	U266 cell line.
Specificity:	This antibody recognises phosphotyrosine, enabling the detection, characterisation 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 Tcell receptor (TCR), epidermal growth factor (EGF) and many families of receptor and non-receptor protein tyrosine kinases (PTKs), which catalyse 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.
Formulation:	50%PBS, pH7.4 and 50% Glycerol Label: HRP State: Liquid purified IgG Label: Horseradish Peroxidase
Purification:	Affinity chromatography
Conjugation:	HRP
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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