

Immunotag™ PTPN22 Antibody

Antibody Specification	
Catalog No.	ITA5462
Product Description	Immunotag™ PTPN22 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTPN22
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	PTPN22 Antibody detects endogenous levels of total PTPN22
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PTPN22
Accession No.	Q9Y2R2

Antibody Specification

Alternate Names	Hematopoietic cell protein tyrosine phosphatase 70Z PEP; Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; Lymphoid phosphatase; Lymphoid specific protein tyrosine phosphatase; lymphoid-specific, inducible human protein tyrosine phosphatase; Lyp 1; Lyp 2; LyP; Lyp1; Lyp2; LyPTP; OTTHUMP00000013720; OTTHUMP00000013721; OTTHUMP000000233450; OTTHUMP000000233451; PEP; PEST-domain phosphatase; Protein tyrosine phosphatase non receptor type 22 (lymphoid); Protein tyrosine phosphatase non receptor type 22; Protein tyrosine phosphatase non receptor type 8; Protein tyrosine phosphatase non receptor type 8, formerly; PTN22_HUMAN; PTPN 22; PTPN 8; Ptpn22; PTPN8; PTPN8, formerly; Tyrosine-protein phosphatase non-receptor type 22;
Description	Acts as negative regulator of T-cell receptor (TCR) signaling by direct dephosphorylation of the Src family kinases LCK and FYN, ITAMs of the TCRz/CD3 complex, as well as ZAP70, VAV, VCP and other key signaling molecules (PubMed:16461343, PubMed:18056643). Associates with and probably dephosphorylates CBL. Dephosphorylates LCK at its activating 'Tyr-394' residue (PubMed:21719704). Dephosphorylates ZAP70 at its activating 'Tyr-493' residue (PubMed:16461343). Dephosphorylates the immune system activator SKAP2 (PubMed:21719704). Positively regulates toll-like receptor (TLR)-induced type 1 interferon production (PubMed:23871208). Promotes host antiviral responses mediated by type 1 interferon (By similarity). Regulates NOD2-induced pro-inflammatory cytokine secretion and autophagy (PubMed:23991106).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	91 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.