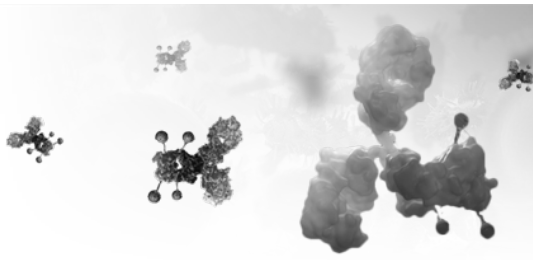

Anti-PTPRE monoclonal antibody, clone 4C22 (DCABH-668)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to PTP epsilon
Antigen Description	Isoform 1 plays a critical role in signaling transduction pathways and phosphoprotein network topology in red blood cells. May play a role in osteoclast formation and function.Isoform 2 acts as a negative regulator of insulin receptor (IR) signaling in skeletal muscle. Regulates insulin-induced tyrosine phosphorylation of insulin receptor (IR) and insulin receptor substrate 1 (IRS-1), phosphorylation of protein kinase B and glycogen synthase kinase-3 and insulin induced stimulation of glucose uptake.Isoform 1 and isoform 2 act as a negative regulator of FceRI-mediated signal transduction leading to cytokine production and degranulation, most likely by acting at the level of SYK to affect downstream events such as phosphorylation of SLP76 and LAT and mobilization of Ca(2+).
Immunogen	Recombinant full length Human PTP epsilon produced in HEK293T cells (NP_006495).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4C22
Purification	This antibody is purified from Mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY PTP epsilon.
Format	Liquid

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 50% Glycerol, 48% PBS, 1% BSA
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	PTPRE protein tyrosine phosphatase, receptor type, E [Homo sapiens]
Official Symbol	PTPRE
Synonyms	PTPRE; protein tyrosine phosphatase, receptor type, E; receptor-type tyrosine-protein phosphatase epsilon; PTPE; protein tyrosine phosphatase, receptor type, epsilon polypeptide; HPTPE; FLJ57799; FLJ58245; R-PTP-EPSILON; DKFZp313F1310;
Entrez Gene ID	5791
Protein Refseq	NP_006495
UniProt ID	P23469
Chromosome Location	10q26
Function	hydrolase activity; protein binding; protein homodimerization activity; protein tyrosine phosphatase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;

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