

## Mouse Monoclonal Antibody to PTPN14

<b>Catalogue Number</b>	sAP-1383
<b>Target Molecule</b>	<b>Name:</b> PTPN14 <b>Aliases:</b> PEZ; PTP36 <b>MW:</b> 135.3kDa <b>Entrez Gene ID:</b> 5784
<b>Description</b>	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. It appears to regulate lymphatic development in mammals, and a loss of function mutation has been found in a kindred with a lymphedema-choanal atresia.;
<b>Immunogen</b>	Purified recombinant fragment of human PTPN14 (AA: 896-1169) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM2B3H7;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Oncogene. 2013 Apr 18;32(16):2087-95. ; 2.PLoS One. 2013 Apr 16;8(4):e61916. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**