

## Mouse Monoclonal Antibody to CD172A

Catalogue Number	sAP-1707
Target Molecule	<b>Name:</b> CD172A <b>Aliases:</b> BIT; MFR; P84; SIRP; MYD-1; SHPS1; SIRPA; PTPNS1 <b>MW:</b> 55kDa <b>Entrez Gene ID: 140885</b>
Description	The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located
Immunogen	Purified recombinant fragment of human CD172A (AA: extra 235-373) expressed in E. Coli.
Recitative Species	Human;
Clone	MM2H7E2
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.J Biol Chem. 2015 Dec 25;290(52):31113-25.2.J Innate Immun. 2014;6(4):553-60.

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**