

## Mouse Monoclonal Antibody to CIB1

<b>Catalogue Number</b>	sAP-0068
<b>Target Molecule</b>	<b>Name: CIB1</b> <b>Aliases:</b> CIB; KIP; KIP1; SIP2-28 <b>MW: N/A</b> <b>Entrez Gene ID: 10519</b>
<b>Description</b>	CIB1(also designated calcium and integrin binding 1 or calmyrin),with 191-amino acid protein(about 21kDa), belongs to the calcium-binding protein family.CIB1 is known to interact with DNA-dependent protein kinase and may play a role in kinase-phosphatase regulation of DNA end joining.CIB1 is an EF-hand-containing protein that binds multiple effector proteins, including the platelet alpha(IIb)beta(3) integrin and several serine/threonine kinases and potentially modulates their function.CIB1 regulates platelet aggregation in hemostasis through a specific interaction with the alpha(IIb) cytoplasmic domain of platelet integrin alpha(IIb)beta(3). CIB1 is also ubiquitously expressed activating and inhibiting protein ligand of the InsP3R.
<b>Immunogen</b>	Purified recombinant fragment of CIB1 expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM5A1F5E12;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstitued 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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Holly R. Gentry,Alex U. Singer, Laurie Betts. J. Biol. Chem., Mar 2005; 280: 8407 - 8415. ; 2. Carl White, Jun Yang, Mervyn J. Monteiro. J. Biol. Chem., Jul 2006; 281: 20825 – 20833.

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**