

## Mouse Monoclonal Antibody to Phospho-4E-BP1 (Ser65)

<b>Catalogue Number</b>	sAP-1506
<b>Target Molecule</b>	<b>Name: Phospho-4E-BP1 (Ser65)</b> <b>Aliases:</b> EIF4EBP1; BP-1; 4EBP1; 4E-BP1; PHAS-I <b>MW: 12.6kDa</b> <b>Entrez Gene ID: 1978</b>
<b>Description</b>	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.
<b>Immunogen</b>	Synthesized peptide of human Phospho-4E-BP1 (Ser65).
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM2D1G11
<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 H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: N to A; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Sci Signal. 2015 Nov 17;8(403):ra116.2.Oncotarget. 2015 Sep 15;6(27):24092-104.

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**