

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

Catalogue Number	sAP-1505
Target Molecule	Name: Phospho-4E-BP1 (Ser65) Aliases: EIF4EBP1; BP-1; 4EBP1; 4E-BP1; PHAS-I MW: 12.6kDa Entrez Gene ID: 1978
Description	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.
Immunogen	Synthesized peptide of human Phospho-4E-BP1 (Ser65).
Recitative Species	Human;
Clone	MM1E2E7
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 H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: N to A; ICC: 1 to 100 - 1 to 500; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	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**