

Mouse Monoclonal Antibody to EIF4E

Catalogue Number	sAP-0540
Target Molecule	<p>Name: EIF4E</p> <p>Aliases: CBP; EIF4F; EIF4E1; EIF4EL1; MGC111573; EIF4E</p> <p>MW: 25kDa</p> <p>Entrez Gene ID: 1977</p>
Description	<p>EIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. EIF4E also influences the overall rate of translation. EIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of EIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of EIF4E with EIF4G, which form a complex known as EIF4F. EIF4E phosphorylation is correlated with increased translational rate in a number of cell types. Several kinases are currently being investigated as potential regulators of EIF4E including PKC and/or the MAP kinase activated Mnk.</p>
Immunogen	Purified recombinant fragment of human EIF4E expressed in E. Coli. ;
Recitative Species	Human
Clone	MM5D11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% 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: 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
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Ann Surg Oncol. 2008 Nov;15(11):3207-15. ; 2. J Biol Chem. 2008 Sep 12;283(37):25227-37.

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**