

## Mouse Monoclonal Antibody to mTOR

**Catalogue Number** sAP-1248

**Target Molecule** **Name:** mTOR

**Aliases:** FRAP; FRAP1; FRAP2; RAFT1; RAPT1

**MW:** 289kDa

**Entrez Gene ID: 2475**

**Description** The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.;

**Immunogen** Purified recombinant fragment of human mTOR (AA: 2311-2529) expressed in E. Coli.

**Reactive Species** Human;

**Clone** MM5E4D8;

**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; IHC: ; ICC: ; FCM:

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1.Br J Cancer. 2015 Mar 17;112(6):1042-51. ; 2.Clin Cancer Res. 2014 Nov 1;20(21):5412-22. ;

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**