

## Mouse Monoclonal Antibody to EGFR

<b>Catalogue Number</b>	sAP-0845
<b>Target Molecule</b>	<p><b>Name:</b> EGFR</p> <p><b>Aliases:</b> ERBB; HER1; mENA; ERBB1; PIG61</p> <p><b>MW:</b> 175kDa</p> <p><b>Entrez Gene ID:</b> 1956</p>
<b>Description</b>	<p>The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. ;</p>
<b>Immunogen</b>	Purified recombinant fragment of human EGFR (AA: 693-893) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM5E10D3;
<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: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. J Immunol. 2012 Dec 1;189(11):5230-9. ; 2. J Biol Chem. 2012 Oct 12;287(42):35201-11. ;

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**