

## Mouse Monoclonal Antibody to ESR1

Catalogue Number	sAP-1486
Target Molecule	<b>Name:</b> ESR1 <b>Aliases:</b> MI; WS2; CMM8; WS2A; bHLHe32 <b>MW:</b> 58.8kDa <b>Entrez Gene ID:</b> 4286
Description	This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.;
Immunogen	Purified recombinant fragment of human ESR1 (AA: 2-185) expressed in E. Coli.
Reactive Species	Human;
Clone	MM6A6F3;
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: 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.Tumour Biol. 2015 Aug;36(8):6349-59. ; 2.Breast Cancer Res. 2014 Dec 12;16(6):494.;

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**