

Mouse Monoclonal Antibody to ESR1

Catalogue Number sAP-0171

Target Molecule **Name:** ESR1

Aliases: ER; ESR; Era

MW: N/A

Entrez Gene ID: 2099

Description ESR1: estrogen receptor 1. 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 splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

Immunogen Purified recombinant fragment of ESR1 (aa301-595) expressed in E. Coli. ;

Reactive Species Human

Clone MM10H12B10;

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 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

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Calcif Tissue Int. 2007 May;80(5):307-15. ; 2. Scand J Clin Lab Invest. 2007;67(4):380.

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**