

Mouse Monoclonal Antibody to AR

Catalogue Number sAP-0224

Target Molecule

Name: AR

Aliases: KD; AIS; TFM; DHTR; SBMA

MW: N/A

Entrez Gene ID: 367

Description

AR: androgen receptor. The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alterna-

Immunogen

Purified recombinant fragment of AR (aa689-919) expressed in E. Coli. ;

Recitative Species

Human

Clone

MM1A9D12;

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. Cancer Res. 2006 Nov 15;66(22):11077-83. ; 2. Mol Cell Biol. 2007 Oct;27(20):7125-42.

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**