



AR Mouse Monoclonal Antibody

E10-20273

Background: 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 alternatively spliced variants encoding distinct isoforms have been described.

Catalog Number: E10-20273

Amount: 100µg/100µl

Clone Number: 1A9D12

Species: Mouse IgG1

Aliases: KD; AIS; TFM; DHTR; SBMA

Entrez Gene: 367

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

Storage: Store at 4 °C for long term storage, store at -20 °C for short term storage.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.ELISA. Propose dilution 1/10000.

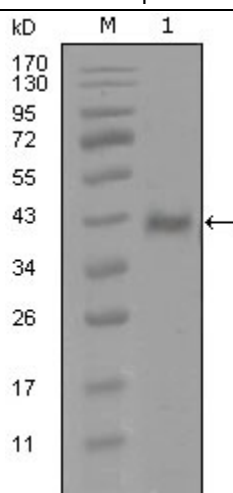


Figure 1. Western blot analysis using AR mouse mAb against truncated Trx-AR recombinant protein (1).

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