

## Product datasheet for **AM06279SU-N**

### Androgen Receptor (AR) Mouse Monoclonal Antibody [Clone ID: 1A9D12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1A9D12
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of AR (aa689-919) expressed in E. Coli.
Specificity:	Recognizes AR (Androgen Receptor).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	androgen receptor
Database Link:	<a href="#">Entrez Gene 367 Human P10275</a>



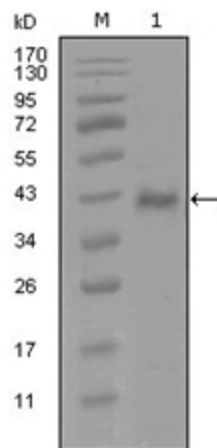
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**Background:**

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.

**Synonyms:**

Dihydrotestosterone receptor, DHTR, NR3C4

**Product images:**

Western blot analysis using AR Cat.-No AM06279SU-N against truncated Trx-AR recombinant protein (Lane 1).