

Androgen Receptor (AR) Antibodies

Cat # AR13-M

Mouse monoclonal Anti-Human AR, IgG

SIZE: 100 ug

FORM: Soln Lyophilized;

Androgen receptor (AR) belongs to the steroid hormone nuclear receptor superfamily. It functions as an androgen-dependent transcriptional factor that regulates genes for cell proliferation and differentiation. Upon binding to androgen, the androgen receptor (AR) can translocate into the nucleus and bind to androgen response element(s) to modulate its target genes.

Source of Antigen, & Antibodies

Antigen	Synthetic peptide of human AR (299-315 aa)
Ab Host/type	Mouse, monoclonal IgG1
Ab Format	Purified IgG (cat #AR13-M) supplied in PBS, pH 7.4 and 0.2% BSA and 0.05% azide
2-ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)
-ve control	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

Form & Storage

Affinity pure IgG

100 ug/100ul solution lyophilized powder
supplied in Buffer: PBS, pH 7.2, 0.2% BSA, 0.05% sodium azide
Reconstitute powder in PBS at 1 mg/ml

Storage

Short-term: unopened, undiluted vials for less than a week at 4oC.

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Usage

Western Blotting (1-2 ug/ml). LnCap cells can be used positive control.

ELISA (1:10-50K; using 50-100 ng A1R control peptide/well).

Histochemistry & Immunofluorescence: 2-5 ug/ml in formalin/paraffin embedded sections (required boiling of sections in 1mM EDTA, pH 8.0) for 10-20 min followed by cooling at room temp for 15-30 min).

IP: use 1-2 ug/ml and protein G-agarose.

Specificity & Cross-reactivity

AR13-M antibody is specific for human. It crossreact with dog but not with mouse. Other species not tested.

General References: 1 Lubahn, D et al (1988) Science 240, 327-330; 2. Chang, C et al (1988) Proc. Natl. Acad. Sci., USA, 85, 7211-7215; 3. Prins, G et al (1991) Endocrinology 129, 3187-3199.

Citations of ADI's antibodies for Adenosine related products (see updated list at www.4adi.com/flr\adenosine.html)

*This product is for In vitro research use only.

Related material available from ADI

Antibodies for A1, A2a, A2b, A3 are available.

Antibodies to ER alpha, beta, PR are available.

Western blot Recycling kit (probe same blot with multiple antibodies)

Anti-Rabbit IgG-HRP Conjugate and ECL Reagents

AR13-M

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