

Datasheet: VMA00231

Description:	MOUSE ANTI ESTROGEN RECEPTOR ALPHA
Specificity:	ESTROGEN RECEPTOR ALPHA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

Immunogen

Purified recombinant fragment of human estrogen receptor alpha expressed in *E. coli*

External Database Links	UniProt: P03372 Related reagents Entrez Gene: 2099 ESR1 Related reagents
Synonyms	ESR, NR3A1
Specificity	<p>Mouse anti Human estrogen receptor alpha antibody recognizes estrogen receptor alpha, also known as ER-alpha, estradiol receptor, estrogen nuclear receptor alpha, estrogen receptor, estrogen receptor alpha E1-E2-1-2, estrogen receptor alpha E1-N2-E2-1-2 and nuclear receptor subfamily 3 group A member 1.</p> <p>Encoded by the ESR1 gene, estrogen receptor alpha is 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 (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human estrogen receptor alpha antibody detects a band of 66 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti estrogen receptor alpha detects a band of approximately 66 kDa in C6 cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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