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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Estrogen Receptor. Mouse Monoclonal Antibody

BACKGROUND

The human estrogen receptor has a molecular weight of 67 kDa and consists of 6 functional domains (domains A-F). Functional mapping of the estrogen receptor has determined a transcriptional promoting activity in the A/B domain. The hormone-binding domain (E domain) is located towards the carboxy terminal, whereas the DNA-binding domain (C domain) is found in the central portion of the molecule. It has been speculated that the presence in breast cancer cells of truncated forms of the estrogen receptor lacking the hormone-binding domain might promote the uncontrolled growth of the tumor.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with purified estrogen receptors from calf uterus and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for staining of human and mouse frozen and paraffin tissue sections. Optimal concentration should be evaluated by serial dilutions. Other Applications: Immunoprecipitation, Western Blotting, ELISA.

ORDERING INFORMATION

CATALOG NUMBER

X1266M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone AER311

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2a

APPLICATIONS

Western Blot, Immunoprecipitation, Immunohistochemistry, Enzyme

SPECIES REACTIVITY

Human, Mouse

ACCESSION NUMBER

,

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Abbondanza, E., et al. "Characterization and epitope mapping of a new panel of monoclonal antibodies to estradiol receptor." *Steroids* 1993, 58, 4-12.
2. Santeusanio, G., et al. "Immunohistochemical analysis of estrogen receptors in breast carcinomas using monoclonal antibodies that recognize different domains of the receptor molecule." *Appl. Immunohistochem Mol Morphol.* 2000, 8, 275-284.
3. Hori, M., et al. "Determination of estrogen receptor in primary breast cancer using two different monoclonal antibodies, and correlation with its mRNA expression." *Pathol. Int.* 1999, 49, 191-197.
4. Schuler, G., et al. "Occurrence of estrogen receptor alpha in bovine placentomes throughout mid and late gestation and at parturition." *Biol. Reprod.* 2002, 66, 976-982.