

# Estrogen Receptor alpha Monoclonal Antibody (1D5)

Product Details	
Size	500 µL
Published Species	Rabbit, Rat, Cat, Mouse, Human, Chicken, Rhesus monkey, Guinea pig
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	1D5
Conjugate	Unconjugated
Immunogen	Recombinant human estrogen receptor protein
Form	Liquid
Concentration	0.8 mg/mL
Storage conditions	4° C
RRID	AB_10986080

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1.0 µg/mL	8 Publications
Immunohistochemistry (IHC)	-	58 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:250-1:500	3 Publications
Immunocytochemistry (ICC/IF)	1:500-1:1,000	4 Publications
Immunoprecipitation (IP)	-	1 Publication
in situ PLA (PLA)	-	1 Publication

## Product Specific Information

Staining of formalin-fixed, paraffin-embedded tissues requires boiling tissues in 10mM citrate buffer (pH 6.0) for 10-20 min, followed by cooling at room temperature for 20 min. A recommended positive control is MCF-7 cells. For optimal IF staining, it is recommended to fix and permeabilize cells with methanol.

Western Blot (8)

<p>PLoS genetics</p> <p><b>Crucial role of estrogen for the mammalian female in regulating semen coagulation and liquefaction in vivo.</b></p> <p>"Published figure using Estrogen Receptor alpha monoclonal antibody (Product # MA5-13191) in Western Blot"</p> <p>Authors: Li S,Garcia M,Gewiss RL,Winuthayanon W</p>	<p>Year 2017</p> <p>Species Human Mouse</p>
<p>Endocrinology</p> <p><b>Developmental Programming: Insulin Sensitizer Prevents the GnRH-Stimulated LH Hypersecretion in a Sheep Model of PCOS.</b></p> <p>"MA5-13191 was used in western blot to study the effects of prenatal testosterone on luteinizing hormone secretion in sheep."</p> <p>Authors: Cardoso RC,Burns A,Moeller J,Skinner DC,Padmanabhan V</p>	<p>Year 2016</p> <p>Species Human</p> <p>Dilution 1:500</p>

View more WB references on thermofisher.com

Immunohistochemistry (58)

<p>FASEB journal : official publication of the Federation of American Societies for Experimental Biology</p> <p><b>Cell-type specific analysis of physiological action of estrogen in mouse oviducts.</b></p> <p>"MA5-13191 was used in Immunohistochemistry to show that oviductal cell types, including epithelial, stromal, and muscle cells, are differentially regulated by E2 and support gene expression changes, such as growth factors that are required for normal embryo development and transport in mouse models."</p> <p>Authors: McGlade EA,Herrera GG,Stephens KK,Olsen SLW,Winuthayanon S,Guner J,Hewitt SC,Korach KS,DeMayo FJ,Lydon JP,Monsivais D,Winuthayanon W</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
<p>Reproduction (Cambridge, England)</p> <p><b>AMPK is required for uterine receptivity and normal responses to steroid hormones.</b></p> <p>"MA5-13191 was used in Immunohistochemistry to investigate the role of 5'-AMP-activated protein kinase (AMPK) normal reproductive functions, including uterine receptivity and hormone response."</p> <p>Authors: Griffiths RM,Pru CA,Behura SK,Cronrath AR,McCallum ML,Kelp NC,Winuthayanon W,Spencer TE,Pru JK</p>	<p>Year 2020</p> <p>Species Mouse</p>

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More applications with references on thermofisher.com

- IHC (P) (3)
- ICC/IF (4)
- IP (1)
- PLA (1)

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