

Estrogen Receptor alpha Monoclonal Antibody (1D5)

Product Details

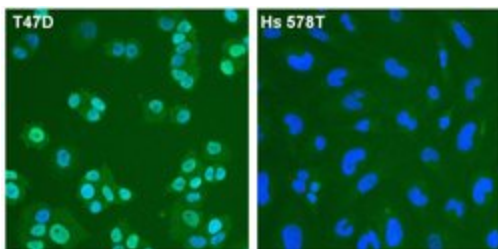
Size	500 µL
Species	Human
Published Species	Rabbit, Rat, Cat, Human, Mouse, Chicken, Rhesus monkey, Guinea pig
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	1D5
Conjugate	Unconjugated
Immunogen	Recombinant human estrogen receptor protein
Form	Liquid
Concentration	0.8 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10986080

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:500-1:1000	4 Publications
Immunofluorescence (IF)	1:500-1:1000	-
Immunohistochemistry (Paraffin) (IHC (P))	0.4-0.8 µg/mL	2 Publications
Western Blot (WB)	0.5-1.0 µg/mL	7 Publications
Immunohistochemistry (IHC)	-	56 Publications
in situ PLA (PLA)	-	1 Publication

Product Specific Information

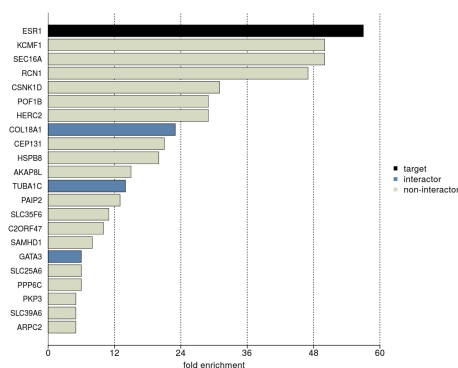
Staining of formalin-fixed, paraffin-embedded tissues requires boiling tissues in 10mM citrate buffer (pH 6.0) for 10-20 min, followed by cooling at room temperature for 20 min. A recommended positive control is MCF-7 cells. For optimal IF staining, it is recommended to fix and permeabilize cells with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

Advanced Verification Data



Estrogen Receptor alpha Antibody (MA5-13191)

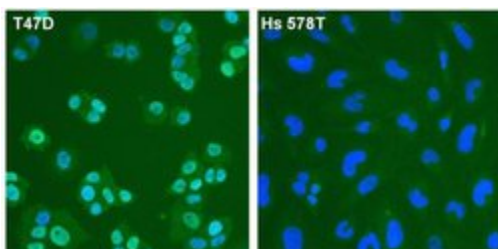
The specificity of anti-ER alpha monoclonal antibody (Product # MA5-13191) was demonstrated in Immunofluorescence analysis by the detection of endogenous Estrogen Receptor Alpha protein in T47D cells, but not in negative control line Hs578T which is not known to express Estrogen Receptor Alpha protein. Relative expression validation info.



Estrogen Receptor alpha Antibody (MA5-13191)

IP-MS enrichment of ESR1 (LFQ intensity): ESR1 was enriched 57-fold from MCF7 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and ESR1 antibody (Product # MA5-13191). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For Estrogen Receptor alpha Monoclonal Antibody (1D5)



Estrogen Receptor alpha Antibody (MA5-13191) in IF

Immunofluorescent analysis of Estrogen Receptor alpha (ER alpha, green) in T47D and Hs 578T breast cancer cells. The cells were fixed and permeabilized with ice-cold methanol for 10 minutes at room temperature, and blocked with 0.3% BSA in PBS for at least 30 minutes at room temperature. Cells were stained with an ER alpha monoclonal antibody (Product # MA5-13191) at a dilution of 1:750 in blocking buffer overnight at 4C, and then incubated with a DyLight 488-conjugated goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:500 for at least 1 hour at room temperature. Nuclei (blue) were stained with DAPI (Product # 62247). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.

View more figures on thermofisher.com

Immunohistochemistry (56)

Scientific reports

Estrogen Action in the Epithelial Cells of the Mouse Vagina Regulates Neutrophil Infiltration and Vaginal Tissue Integrity.

"Published figure using Estrogen Receptor alpha monoclonal antibody (Product # MA5-13191) in Immunohistochemistry"

Authors: Li S,Herrera GG,Tam KK,Lizarraga JS,Beedle MT,Winuthayanon W

Species
Not Applicable

Dilution
Not Cited

Year
2018

Oncology letters

Clinical significance of the estrogen-modifying enzymes steroid sulfatase and estrogen sulfotransferase in epithelial ovarian cancer.

"Published figure using Estrogen Receptor alpha monoclonal antibody (Product # MA5-13191) in Immunohistochemistry"

Authors: Mungenast F,Aust S,Vergote I,Vanderstichele A,Sehouli J,Braicu E,Mahner S,Castillo-Tong DC,Zeillinger R,Thalhammer T

Species
Not Applicable

Dilution
Not Cited

Year
2017

[View more IHC references on thermofisher.com](#)

Immunohistochemistry (Paraffin) (2)

Scientific reports

Estrogen Action in the Epithelial Cells of the Mouse Vagina Regulates Neutrophil Infiltration and Vaginal Tissue Integrity.

"Published figure using Estrogen Receptor alpha monoclonal antibody (Product # MA5-13191) in Immunohistochemistry"

Authors: Li S,Herrera GG,Tam KK,Lizarraga JS,Beedle MT,Winuthayanon W

Species
Not Applicable

Dilution
Not Cited

Year
2018

Cancer cell international

Cytogenetic characterization and H-ras associated transformation of immortalized human mammary epithelial cells.

"MA5-13191 was used in immunohistochemistry - paraffin section to discuss how H-ras contributes to the transformation of human mammary epithelial cells"

Authors: Rao K,Alper O,Opheim KE,Bonnet G,Wolfe K,Bryant E,O'Hara Larivee S,Porter P,McDougall JK

Species
Not Applicable

Dilution
1:200

Year
2006

More applications with references on thermofisher.com

PLA (1) **WB (7)** **ICC (4)**

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