

Estrogen Receptor alpha Antibody Cocktail

Product Details	
Size	500 µL
Species Reactivity	Human, Rat
Published Species	Rabbit, Rat, Cat, Human, Mouse, Chicken, Rhesus monkey
Host/Isotope	Mouse / IgG1
Class	Cocktail
Type	Antibody
Clone	1D5 + 6F11
Conjugate	Unconjugated
Immunogen	Recombinant human estrogen receptor protein
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	tissue culture supernatant
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10975403

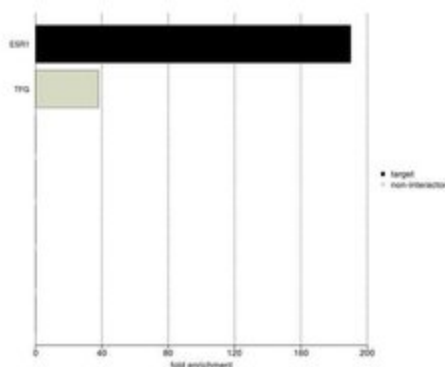
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:50-1:200	2 Publications
Immunofluorescence (IF)	1:50-1:200	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-
Western Blot (WB)	1:50-1:100	4 Publications
Immunohistochemistry (IHC)	-	41 Publications

Product Specific Information

MA5-14104 is a mixture of two monoclonal antibodies that target Estrogen Receptor alpha.

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.

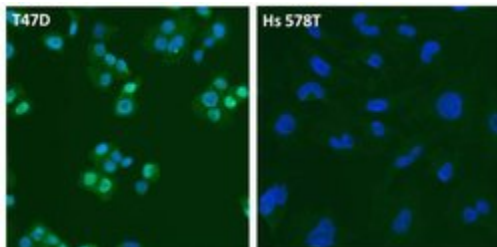
Advanced Verification Data



Estrogen Receptor alpha Antibody (MA5-14104)

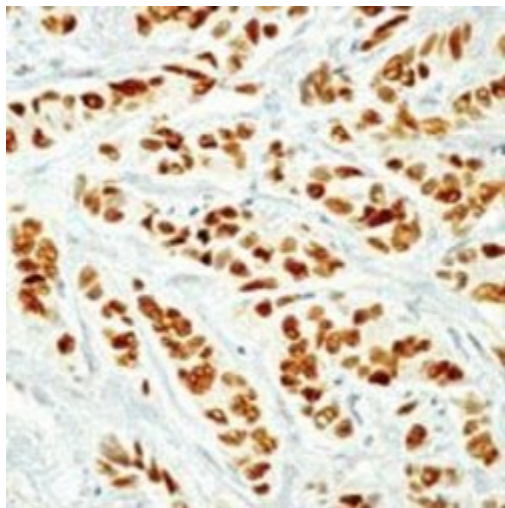
IP-MS enrichment of ESR1 (LFQ intensity): ESR1 was enriched 190-fold from MCF7 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and ESR1 antibody (Product # MA5-14104). The STRING database (www.string-db.org) 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 Antibody Cocktail



Estrogen Receptor alpha Antibody (MA5-14104) 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 # MA5-14104) at a dilution of 1:100 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.



Estrogen Receptor alpha Antibody (MA5-14104) in IHC

Formalin-fixed, paraffin-embedded human breast carcinoma stained with Estrogen Receptor antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of tumor cells.

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Immunohistochemistry (41)

BioMed research international

Tissue biomarkers in prognostication of serous ovarian cancer following neoadjuvant chemotherapy.

"MA5-14104 was used in immunohistochemistry to attempt to identify prognostic biomarkers in serous ovarian cancer patients treated with neoadjuvant chemotherapy"

Authors: Khandakar B,Mathur SR,Kumar L,Kumar S,Datta Gupta S,Iyer VK,Kalaivani M

Species
Human

Dilution
1:200

Year
2015

Cell and tissue research

Breast cancer tissue slices as a model for evaluation of response to rapamycin.

"MA5-14104 was used in immunohistochemistry to study the response to rapamycin therapy using organotypic breast cancer tissue slices and the potential utility in personalized therapy"

Authors: Grosso SH,Katayama ML,Roela RA,Nonogaki S,Soares FA,Brentani H,Lima L,Folgueira MA,Waitzberg AF,Pasini FS,Góes JC,Brentani MM

Species
Human

Dilution
1:50

Year
2013

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

Western Blot (4)

Journal of natural products

Search for Hsp90 inhibitors with potential anticancer activity: isolation and SAR studies of radicicol and monocillin I from two plant-associated fungi of the Sonoran desert.

"MA5-14104 was used in western blot to isolate and characterize compounds from plant-associated fungi with potential Hsp90-mediated anticancer activity"

Authors: Turbyville TJ,Wijeratne EM,Liu MX,Burns AM,Seliga CJ,Luevano LA,David CL,Faeth SH,Whitesell L,Gunatilaka AA

Species
Human

Dilution
1:100

Year
2006

The Journal of steroid biochemistry and molecular biology

Molecular mechanism of estrogen receptor (ER)alpha-specific, estradiol-dependent expression of the progesterone receptor (PR) B-isoform.

"MA5-14104 was used in western blot to study estrogen receptor alpha-dependent upregulation of progesterone receptor-B expression by estradiol"

Authors: Flóttotto T,Niederacher D,Hohmann D,Heimerzheim T,Dall P,Djahansouzi S,Bender HG,Hanstein B

Species
Human

Dilution
Not Cited

Year
2004

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

More applications with references on thermofisher.com

ICC (2)

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