

INSR Monoclonal Antibody (CT-3)

Product Details

Size	500 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	CT-3
Conjugate	Unconjugated
Immunogen	Recombinant-fragment including the C-terminal 100 amino acids of human insulin receptor
Form	Liquid
Concentration	50 µg/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_10985120

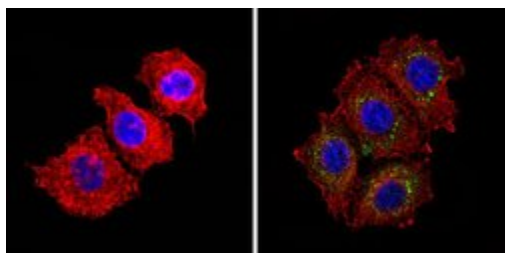
Applications	Tested Dilution	Publications
Affinity Purification (AP)	Assay Dependent	-
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	1:10-1:100	-
Immunofluorescence (IF)	1:10-1:100	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50	-
Western Blot (WB)	1-2 µg/mL	5 Publications
Immunohistochemistry (IHC)	-	2 Publications

Product Specific Information

MA5-13783 targets Insulin Receptor beta in ELISA, ICC/IF, IHC (P), Affinity Purification, and WB applications and shows reactivity with Human, mouse, Non-human primate, and Rat samples.

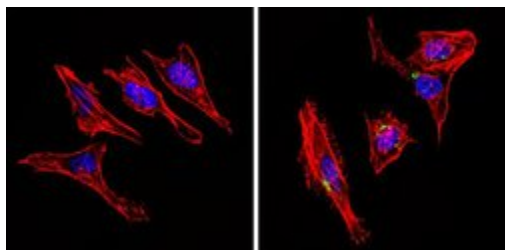
The MA5-13783 immunogen is recombinant-fragment including the C-terminal 100 amino acids of human insulin receptor.

Product Images For INSR Monoclonal Antibody (CT-3)



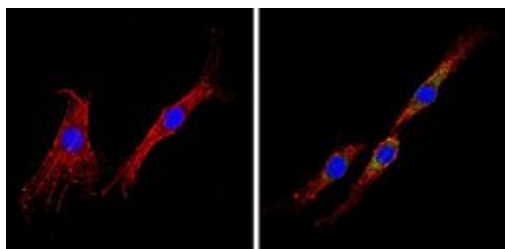
INSR Antibody (MA5-13783) in IF

Immunofluorescent analysis of Insulin Receptor beta (green) showing staining in the cytoplasm of MCF-7 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with an Insulin Receptor beta monoclonal antibody (Product # MA5-13783) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



INSR Antibody (MA5-13783) in IF

Immunofluorescent analysis of Insulin Receptor beta (green) showing staining in the cytoplasm of HeLa cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with an Insulin Receptor beta monoclonal antibody (Product # MA5-13783) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



INSR Antibody (MA5-13783) in IF

Immunofluorescent analysis of Insulin Receptor beta (green) showing staining in the cytoplasm of C6 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with an Insulin Receptor beta monoclonal antibody (Product # MA5-13783) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (5)

The Journal of biological chemistry

Hyperphosphorylation of Tau induced by naturally secreted amyloid- at nanomolar concentrations is modulated by insulin-dependent Akt-GSK3 signaling pathway.

"MA5-13783 was used in western blot to study the role of insulin-dependent Akt/GSK3-beta signaling in the mechanism by which nanomolar levels of secreted beta-amyloid induce tau hyperphosphorylation in recipient cells"

Authors: Tokutake T,Kasuga K,Yajima R,Sekine Y,Tezuka T,Nishizawa M,Ikeuchi T

Species
Human

Dilution
Not Cited

Year
2012

Endocrinology

Selective response to insulin versus insulin-like growth factor-I and -II and up-regulation of insulin receptor splice variant B in the differentiated mouse mammary epithelium.

"MA5-13783 was used in western blot to investigate the role of insulin receptor splice variant B in the differentiated mammary epithelium"

Authors: Berlato C,Doppler W

Species
Mouse

Dilution
1:1000

Year
2009

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

Immunohistochemistry (2)

American journal of clinical pathology

The use of protein tyrosine phosphatase 1B and insulin receptor immunostains to differentiate nonalcoholic from alcoholic steatohepatitis in liver biopsy specimens.

"MA5-13783 was used in immunohistochemistry to evaluate protein tyrosine phosphatase 1B and insulin receptor as markers for differentiating nonalcoholic and alcoholic steatohepatitis"

Authors: Sanderson SO,Smyrk TC

Species
Human

Dilution
1:100

Year
2005

British journal of cancer

Focal overexpression of insulin-like growth factor 2 by hepatocytes and cholangiocytes in viral liver cirrhosis.

"MA5-13783 was used in immunohistochemistry to study IGF-2 focal overexpression by hepatocytes and cholangiocytes in viral liver cirrhosis"

Authors: Sedlaczek N,Hasilik A,Neuhaus P,Schuppan D,Herbst H

Species
Human

Dilution
Not Cited

Year
2003

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.