

INSR alpha Monoclonal Antibody (83-14), Biotin

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	83-14
Conjugate	Biotin
Immunogen	IM-9 lymphocytes followed by purified insulin receptor
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10990056

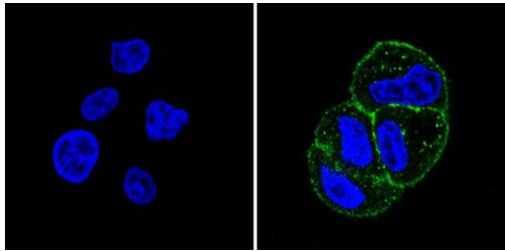
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:10-1:100	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	2 µg/mL	3 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

MA5-13756 targets Insulin Receptor alpha in WB, ICC/IF, ELISA and IP applications and shows reactivity with Human samples.

The MA5-13756 immunogen is iM-9 lymphocytes followed by purified insulin receptor.

Product Images For INSR alpha Monoclonal Antibody (83-14), Biotin



INSR alpha Antibody (MA5-13756) in ICC/IF
Immunofluorescent analysis of Insulin Receptor alpha (green) showing staining in the membrane of HepG2 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 alpha monoclonal antibody (Product # MA5-13759) 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.

4 References

Immunoprecipitation (3)

Endocrinology	Year 2004
Inhibition of death-receptor mediated apoptosis in human adipocytes by the insulin-like growth factor I (IGF-I)/IGF-I receptor autocrine circuit.	Species Human
"MA5-13756 was used in immunoprecipitation to study the role of the IGF-1/IGF-1R autocrine circuit in inhibition of death-receptor mediated apoptosis in human adipocytes"	
Authors: Fischer-Posovszky P,Tornqvist H,Debatin KM,Wabitsch M	

Diabetologia	Year 2002
An arginine to cysteine(252) mutation in insulin receptors from a patient with severe insulin resistance inhibits receptor internalisation but preserves signalling events.	Species Human
"MA5-13756 was used in immunoprecipitation to study the function of a mutant insulin receptor from a patient with severe insulin resistance"	
Authors: Hamer I,Foti M,Emkey R,Cordier-Bussat M,Philippe J,De Meyts P,Maeder C,Kahn CR,Carpentier JL	

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

Neutralization (1)

Endocrinology	Year 2003
Glucosamine induces resistance to insulin-like growth factor I (IGF-I) and insulin in Hep G2 cell cultures: biological significance of IGF-I /insulin hybrid receptors.	Species Human
"MA5-13756 was used in blocking or activating experiment to investigate the influence of glucosamine on Hep G2 cell sensitivity to IGF-I and insulin"	
Authors: Sakai K,Clemmons DR	

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