Product Datasheet

Insulin R/CD220 Antibody (MA-20)
NB400-142

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 17

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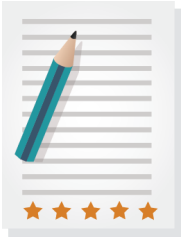

NB400-142

Insulin R/CD220 Antibody (MA-20)

Product Information	
Unit Size	0.1 ml
Concentration	1.2 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MA-20
Preservative	0.1% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	10mM Phosphate (pH 7.4) and 0.1M NaCl

Product Description	
Host	Mouse
Gene ID	3643
Gene Symbol	INSR
Species	Human, Mouse
Reactivity Notes	Human and rat. Mouse reactivity reported in scientific literature (PMID: 24389353)
Immunogen	Highly purified Insulin Receptor (alpha-subunit) from human term placentas. [UniProt# P06213]

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunoprecipitation 1:10-1:500, Block/Neutralize
Application Notes	This Insulin Receptor (MA-20) antibody is useful for ELISA, Immunoprecipitation, Western blot and Blocking/Neutralizing assays.

Publications

Tumminia A, Scalisi NM, Milluzzo A et al. Maternal Diabetes Impairs Insulin and IGF-1 Receptor Expression and Signaling in Human Placenta Frontiers in endocrinology 2021-03-10 [PMID: 33776919]

Youssef A, K M Han V. Low Oxygen Tension Modulates the Insulin-like Growth Factor -1 or -2 Signaling via Both Insulin-like Growth Factor-1 Receptor and Insulin Receptor to Maintain Stem Cell Identity in Placental Mesenchymal Stem Cells. Endocrinology. 2016-01-13 [PMID: 26760116] (WB, Human)

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Vella V, Pandini G, Sciacca L, Mineo R, Vigneri R, Pezzino V, Belfiore A. A novel autocrine loop involving IGF-II and the insulin receptor isoform-A stimulates growth of thyroid cancer. J Clin Endocrinol Metab;87(1):245-54. 2002-01-01 [PMID: 11788654]

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Costanzo BV, Trischitta V, Di Paola R, Spampinato D, Pizzuti A, Vigneri R, Frittitta L. The Q allele variant (GLN121) of membrane glycoprotein PC-1 interacts with the insulin receptor and inhibits insulin signaling more effectively than the common K allele variant (LYS121). Diabetes;50(4):831-6. 2001-04-01 [PMID: 11289049] (ELISA, Human)

Maddux BA, Goldfine ID. Membrane glycoprotein PC-1 inhibition of insulin receptor function occurs via direct interaction with the receptor alpha-subunit. Diabetes;49(1):13-9. 2000-01-01 [PMID: 10615944]

Pandini G, Vigneri R, Costantino A, Frasca F, Ippolito A, Fujita-Yamaguchi Y, Siddle K, Goldfine ID, Belfiore A. Insulin and insulin-like growth factor-I (IGF-I) receptor overexpression in breast cancers leads to insulin/IGF-I hybrid receptor overexpression: evidence for a second mechanism of IGF-I signaling. Clin Cancer Res;5(7):1935-44. 1999-07-01 [PMID: 10430101]

Frasca, F et al. Insulin receptor isoform A, a newly recognized, high-affinity insulin-like growth factor II receptor in fetal and cancer cells. Mol Cell Biol;19(5):3278-88. 1999-05-01 [PMID: 10207053] (IP, ELISA, Human)

Forsayeth JR, Caro JF, Sinha MK, Maddux BA, Goldfine ID. Monoclonal antibodies to the human insulin receptor that activate glucose transport but not insulin receptor kinase activity. Proc Natl Acad Sci U S A;84(10):3448-51. 1987-05-01 [PMID: 3033648] (B/N, IP, Human)

Pandini G, Frasca F, Mineo R, Sciacca L, Vigneri R, Belfiore A. Insulin/insulin-like growth factor I hybrid receptors have different biological characteristics depending on the insulin receptor isoform involved. J Biol Chem;277 (42):39684-95. 2002-10-18 [PMID: 12138094] (IP, WB, ELISA, Human)

More publications at http://www.novusbio.com/NB400-142

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