

Product datasheet for **AM00075PU-N**

Insulin Receptor (INSR) pTyr1150/1151 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 10C3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10C3
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Included Positive Control: Cell lysate from insulin-treated HEK-293 cells. ELISA: 0.1 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH. Epitope: Phosphotyrosine 1150/1151 E T D pY pY R K
Specificity:	This antibody recognizes Insulin receptor phosphorylated at tyrosine residues 1150/1151 and also the IGF1 receptor.
Formulation:	PBS containing 0.09 Sodium Azide/PEG and Sucrose/50% Glycerol State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	97 kDa
Gene Name:	insulin receptor



[View online »](#)

Database Link: [Entrez Gene 3643 Human P06213](#)

Background: The insulin receptor (InsR) is a heterodimeric receptor tyrosine kinase with an extracellular alpha-chain, a transmembrane domain and an intracellular beta-chain. The insulin receptor is activated upon binding of the peptide hormone insulin, leading to autophosphorylation of tyrosine residues 1146, 1150, and 1151 in the activation loop of the beta-chain. Additional phosphorylation sites such as tyrosine residues 960, 1316, and 1322 regulate the assembly of signal transduction complexes.

Synonyms: Insulin Receptor

Note: Protocol: **Positive Control Provided: 293 Insulin treated Positive Control Cell lysate**

Format: Lyophilized cell lysate from HEK - 293 cells.
Serum starved cells were treated for 15 min with Insulin.

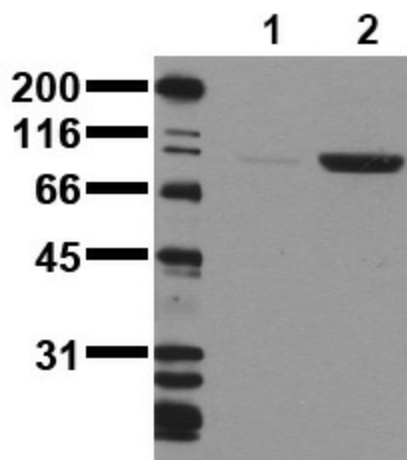
Reconstitution: Restore by addition of 200 μ l H₂O. After complete solubilization add 200 μ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.

Storage: Aliquote and store frozen. Avoid repeated freeze/thaw cycles.

Application: The positive control cell lysate is recommended for immunoblot applications. 20 μ l of positive control cell lysate correspond to ca. 20,000 cells.
Use 20 μ l / lane (mini gel) for HRPO/ECL detection of the target proteins.

Note: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation.

Product images:



Phosphospecificity Whole cell extracts of Control (Lane 1) or Insulin stimulated (Lane 2) MDA-MB-213 tumor cells were applied to SDS-PAGE (ca 20,000 cells per lane) and transferred to a PVDF membrane. The Immunoblot was probed with Monoclonal InsR antibody 10C3 (0.5 μ g/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).