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PRODUCT DATA SHEET

Insulin Receptor Human, Sheep Polyclonal Antibody

Cat. No.: RD184041100
Size: 0.1 mg
Source of Antigen: HEK293
Type: Polyclonal Antibody
Host: Sheep
Isotype: IgG

Other Names:
INSR Protein, IR, short isoform (HIR-A, IR-A), CD220

Preparation:
The antibody was raised in sheep by immunization with the recombinant Human Insulin Receptor.

Amino Acid Sequence of Immunogen:

Recombinant Human Insulin Receptor, total 927 AA, UniProt P06213–2 (His28-Lys944 of HIR-A, whole subunit α and extracellular domain of subunit β). MW: 105.9 kDa (calculated), migrates at ~ 160 kDa on SDS PAGE. N-terminal linker, 2 extra AA, C-terminal linker (2 extra AA) and C-terminal His-tag, 6 extra AA.

ASHLYPGEVC PGMDIRNNLT RLHELENCSV IEGHLQILLM FKTRPEDFRD LSFPKLIMIT
DYLLLFRVYG LESLKDLFPN LTVIRGSRLF FNYALVIFEM VHLKELGLYN LMNITRGSVR
IEKNNELCYL ATIDWSRILD SVEDNYIVLN KDDNEECGDI CPGTAKGKTN CPATVINGQF
VERCWTHSHC QKVCPTICKS HGCTAEGLCC HSECLGNCSQ PDDPTKCVAC RNFYLDGRCV
ETCPPPYYHF QDWRCVNFSF CQDLHHKCKN SRRQGCHQYV IHNNKCIPEC PSGYTMNSSN
LLCTPCLGPC PKVCHLLEGE KTIDSVTSAQ ELRGCTVING SLIINIRGGN NLAAELEANL
GLIEEISGYL KIRRSYALVS LSFFRKLRLI RGETLEIGNY SFYALDNQNL RQLWDWSKHN
LTITQGKLFF HYNPKLCLSE IHKMEEVSGT KGRQERNDIA LKTNGDQASC ENELLKFSYI
RTSFDKILLR WEPYWPPDFR DLLGFMLFYK EAPYQNVTEF DGQDACGSNS WTVVDIDPPL
RSNDPKSQNH PGWLMRGLKP WTQYAIFVKT LVTFSDERRT YGAKSDIIYV QTDATNPSVP
LDPISVSNSS SQIILKWKPP SDPNGNITHY LVFWERQAED SELFELDYCL KGLKLPSRTW
SPPFESEDSQ KHNQSEYEDS AGECCSCPKT DSQILKELEE SSFRKTFEDY LHNVVFVPRP
SRKRRSLGDV GNVTVAVPTV AAFPNTSSTS VPTSPEEHRP FEKVVNKESL VISGLRHFTG
YRIELQACNQ DTPEERCSVA AYVSARTMPE AKADDIVGPV THEIFENNVV HLMWQEPKEP
NGLIVLYEVS YRRYGDEELH LCVSRKHFAL ERGCRLRGLS PGNYSVRIRA TSLAGNGSWT
EPTYFYVTDY

Purification Method:
Immunoaffinity chromatography on a column with immobilized recombinant Human Insulin Receptor.

Species Reactivity:
Human. Not yet tested in other species.

Antibody Content:
0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C.Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Quality Control:

Indirect ELISA – to determine titer of the antibody
SDS PAGE – to determine purity of the antibody
BCA - to determine quantity of the antibody

Applications:

ELISA

Note:

This product is for research use only.