

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 (highlighted), C-terminal linker (2 extra AA) and C-terminal His-tag, 6 extra AA (highlighted).

ASHLYPGEVC PGMDIRNLT RLHELENCV IEGHLQILLM FKTRPEDFRD LSFPKLIMIT
DYLLLFVYVY LESLKDLFPN LTVIRGSRLF FNYALVIFEM VHLKELGLYN LMNITRGSVR
IEKNNELCYL ATIDWSRILD SVEDNYIVLN KDDNEECGDI CPGTAKGKTN CPATVINGQF
VERCWTHSHC QKVCPTICKS HGCTAEGGCC HSECLGNCSQ PDDPTKCVAC
RNFYLDGRCV ETCPPPYHYF QDWRCVNFSS CQDLHHKCKN SRRQGCHQYV
IHNNKCIPEC PSGYTMNSSL LLCTPCLGPC PKVCHLLEGE KTIDSVTSAQ ELRGCTVING
SLIINIRGGN NLAAELEANL GLIEEISGYL KIRRSYALVS LSFFRKLRLI RGETLEIGNY
SFYALDNQNL RQLWDWSKHN LTITQGKLFH HYNPKLCLSE IHKMEEVSGT KGRQERNLIA
LKTNGDQASC ENELLKFSYI RTSFDKILLR WEPYWPPDFR DLLGFMLFYK EAPYQNVTEF
DGQDACGSNS WTVVDIDPPL RSNPKSQNH PGWLMRGLKP WTQYAFVKT
LVTFSDERRT YGAKSDIYV QTDATNPSVP LDPISVSNSS SQIILKWKPP SDPNGNITHY
LVFWERQAED SELFELDYCL KGLKLPSTW SPPFESEDSQ KHNQSEYEDS
AGECCSCPCT DSQILKELEE SSFRKTFEDY LHNVVFVPRP SRKRRSLGDV GNVTVAVPTV
AAFPNTSSTS VPTSPEEHRP FEKVVNKESE VISGLRHFTG YRIELQACNQ DTPEERCSSA
AYVSARTMPE AKADDIVGPV THEIFENNVV HLMWQEPKEP NGLIVLYEVS YRRYGDEELH
LCVSRKHFAL ERGCLRLGLS PGNYSVRIRA TSLAGNGSWT EPTYFYVTDY LDVPSNIAKK
LHHHHHH

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. ****AZIDE FREE****.

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.