

For Research Use Only

IL-13R α 1 Recombinant antibody

Catalog Number: 84525-4-RR



Basic Information

Catalog Number:

84525-4-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC009960

GeneID (NCBI):

3597

UNIPROT ID:

P78552

Full Name:

interleukin 13 receptor, alpha 1

Calculated MW:

49 kDa

Observed MW:

70-75 kDa

Purification Method:

Protein A purification

CloneNo.:

241834G10

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HUVEC cells, HT-29 cells, K-562 cells, A549 cells

Background Information

IL-13 is an immunoregulatory cytokine secreted predominantly by activated T-helper 2 (Th2) cells and performs multiple functions through a complex receptor system comprised of IL-4R α and two IL-13 binding proteins, IL-13R α 1 and IL-13R α 2 (PMID: 12704343). IL-13R α 1 is a glycosylated transmembrane protein (PMID: 10856136; 9723655). IL-13R α 1 is expressed on a wide range of cells including B cells, monocytes, macrophages, basophils, mast cells, and endothelial cells (PMID: 10856136; 31866859). IL-13 binding to the IL-4R α /IL-13R α 1 complex leads to activation of JAK1, JAK2, and TYK2 and subsequent phosphorylation of STAT6 and STAT3 (PMID: 31866859).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

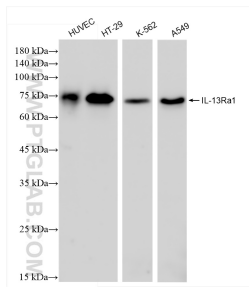
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84525-4-RR (IL-13Ra 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.