

Product Name: KD-Validated IL13 Receptor Alpha 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01024

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 48.8kDa

Antigen Information

Gene Name	IL13RA1
Alternative Names	IL13RA1; Interleukin 13 Receptor Subunit Alpha 1; CD213a1 Antigen; IL-13Ra; CD213a1; NR4; Interleukin-13 Receptor Subunit Alpha-1; Interleukin 13 Receptor, Alpha 1; IL-13 Receptor Subunit Alpha-1; IL13 Receptor Alpha-1 Chain; Cancer/Testis Antigen 19; IL-13R Subunit Alpha-1; CT19; IL-13R-Alpha-1; IL-13RA1; IL13RA; IL13R
Gene ID	3597.0
SwissProt ID	P78552
Immunogen	A synthesized peptide derived from human IL13 receptor alpha 1

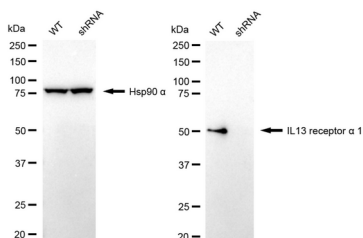
Background

The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008]

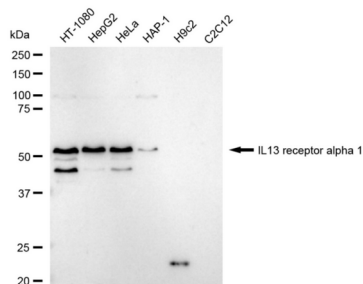
Research Area

Immunology, Signal Transduction

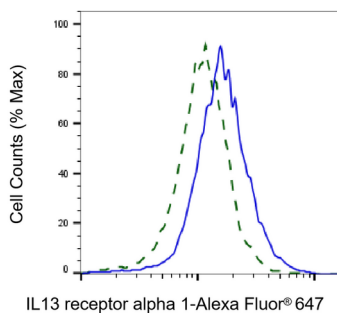
Image Data



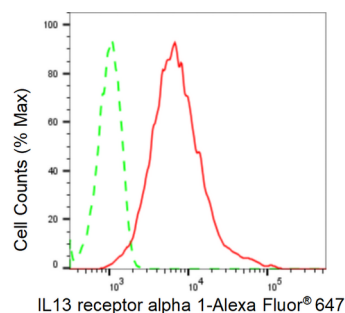
Western blotting analysis using il13 receptor α 1 antibody (KVA01024). IL13 receptor α 1 expression in wild type (WT) and il13 receptor α 1 (IL13RA1) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with il13 receptor α 1 antibody (KVA01024, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using il13 receptor alpha 1 antibody (KVA01024). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with il13 receptor alpha 1 antibody (KVA01024, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of IL13 receptor alpha 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with IL13 receptor alpha 1 antibody (KVA01024, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of IL13 receptor alpha 1 expression in HepG2 cells using IL13 receptor alpha 1 antibody (KVA01024, 1:2,000). Green, isotype control; red, IL13 receptor alpha 1.