

### **KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody Rabbit monoclonal antibody**

Catalog # AGI1576

### Specification

# KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	<u>P78552</u>
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 49 kDa , observed , 50 kDa KDa
Gene Name	IL13RA1
Aliases	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
Immunogen	A synthesized peptide derived from human
-	IL13 receptor alpha 1

# KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 3597 Other Names Interleukin-13 receptor subunit alpha-1, IL-13 receptor subunit alpha-1, IL-13R subunit alpha-1, IL-13R-alpha-1, IL-13RA1, Cancer/testis antigen 19, CT19, CD213a1, IL13RA1, IL13R, IL13RA

# KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody - Protein Information

Name IL13RA1

Synonyms IL13R, IL13RA

#### Function

Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.

**Cellular Location** 

Membrane; Single-pass type I membrane protein.



### **Tissue Location**

Ubiquitous. Highest levels in heart, liver, skeletal muscle and ovary; lowest levels in brain, lung and kidney Also found in B-cells, T-cells and endothelial cells

## KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## KD-Validated Anti-IL13 receptor alpha 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-IL13 receptor alpha 1 antibody (Cat#AGI1576). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-IL13 receptor alpha 1 antibody (Cat#AGI1576, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-IL13 receptor  $\alpha$  1 antibody (Cat#AGI1576). IL13 receptor  $\alpha$  1 expression in wild type (WT) and IL13 receptor  $\alpha$  1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-IL13 receptor  $\alpha$  1 antibody (Cat#AGI1576, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Flow cytometric analysis of IL13 receptor alpha 1 expression in HepG2 cells using IL13 receptor alpha 1 antibody (Cat#AGI1576, 1:2,000). Green, isotype control; red, IL13 receptor alpha 1.



Immunocytochemical staining of Hela cells with anti-IL13 receptor alpha 1 antibody (Cat#AGI1576, 1:1,000). Nuclei were stained blue with DAPI; IL13 receptor alpha 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.