

## Anti-IL-13RA2 Antibody (6G244)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	6G244
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Rat IL13RA2 / CD213A2 protein (TMPY-02997)
Antigen Species:	Rat
Synonyms:	CD213a2;interleukin 13 receptor, $\alpha$ 2;interleukin 13 receptor, alpha 2

## Research Background

Interleukin-13 receptor subunit alpha-2 (IL13RA2/IL-13RA2) is also known as cluster of differentiation 213A2 (CD213A2), IL-13 receptor subunit alpha-2, IL-13R subunit alpha-2, and IL-13RA2. The IL13RA2 is often overexpressed in brain tumors, making IL13ra2 one of the vaccine targets for immunotherapy of glioma. IL13RA2/IL-13RA2 is a cancer-associated receptor that is present in greater than 80% of High-Grade Astrocytomas (HGA) and has recently been recognized as a cytokine that predisposes breast cancer cells to metastasize. Expression of IL13R $\alpha$ 2 was rapidly lost from the surface of transduced cells grown in culture. The loss appeared to be related to ligands present in fetal bovine serum in the medium. None of the malignant glioma cell lines cultivated in vitro and tested to date exhibited the IL13R $\alpha$ 2 receptor. A recombinant virus (R5111) enters cells via its interaction with the IL13R $\alpha$ 2 receptor in a manner that cannot be differentiated from the interaction of wild-type virus with its receptors.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481