

Anti-IL-13RA2 Antibody-PE (9B615)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	PE
Clone:	9B615
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human IL13Ra2(CD213a2) expression on A375 cells. Cells were stained with PE-conjugated anti-Human IL13Ra2(CD213a2). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human IL13RA2 / CD213A2 Protein (TMPY-00841)
Antigen Species:	Human
Synonyms:	CD213a2;interleukin 13 receptor, α2;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 IL13Rα2 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 IL13Rα2 receptor. A recombinant virus (R5111) enters cells via its interaction with the IL13Rα2 receptor in a manner that cannot be differentiated from the interaction of wild-type virus with its receptors.

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