Datasheet for ABIN108717

anti-IL13RA2 antibody (Extracellular Domain)

2 Images

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Overview

Quantity:	100 µg
Target:	IL13RA2
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL13RA2 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Cell-ELISA (cELISA)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human IL13-Ralpha1 (extracellular domain)
Clone:	GM-1C8
Isotype:	IgG1
Specificity:	GM1C8 recognises IL-13Ralpha1 transiently expressed on the cell surface of transfected BOSC cells as well as the native protein on monocytes (Myrtek et al., 2004).
Purification:	Protein G

Target Details

Target:	IL13RA2
Alternative Name:	IL13R (IL13RA2 Products)

Target Details

Background:	Interleukin 13 (IL-13) is a T cell derived cytokine involved in the regulation of inflammatory and im-mune responses. IL-13Rα1 together with IL-4Rα forms a functional receptor for both IL-4 and IL-13, which is why these two cytokines share many of their biological activities. The receptor is found on human B cells, monocytes and endothelial cells. However, no functional receptor is expressed on T cells, which explains why IL-13, in contrast to IL-4, fails to induce TH2-cell differentiation.
UniProt:	P78552

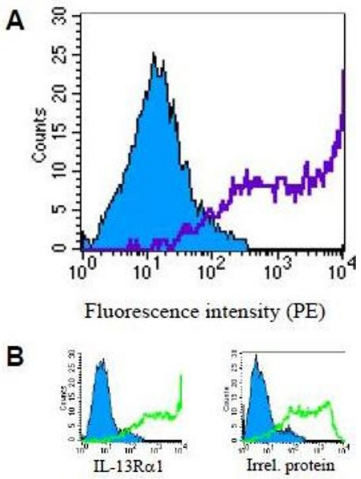
Application Details

Application Notes:	Flow cytometry: 1.2 µg/10^6 cells CELISA: 1:200 - 1:400 For each application a titration should be performed to determine the optimal concentration.
Restrictions:	For Research Use only

Handling

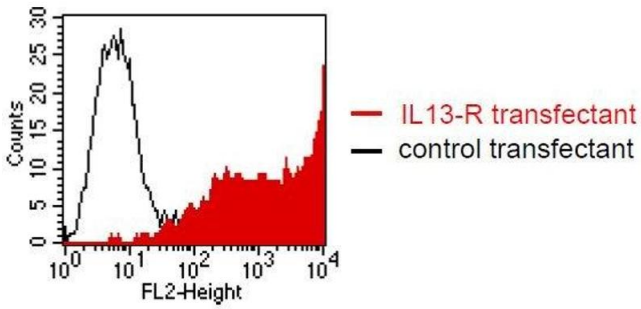
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C
Storage Comment:	short term: 2 °C - 8 °C, long term: -20 °C

Images



Flow Cytometry

Image 1. Specificity testing of GM1C8. BOSC cells were transiently transfected with an expression vector encoding either the extracellular domain of IL-13Ra1 or an irrelevant protein. Expression of the constructs was tested with an anti-tag monoclonal antibody (B)



Flow Cytometry

Image 2. FACS analysis of BOSC23 cells using C8. BOSC23 cells were transiently transfected with an expression vector encoding either IL13-R (red curve) or an irrelevant protein (control transfectant: black curve). Binding of C8 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with IL13-R transfected cells.