

Anti-IL-12B Antibody (1Q82)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1Q82
Purification:	Affinity-chromatography

Applications

Verified Activity:	Overlay Peak curve showing A549 cells stained with TMAH-00609 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10 ⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10 ⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, FCM
Recommended	FCM:1:50-1:200.

Properties

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

Antigen Details

Immunogen:	A synthetic peptide: Human IL12B
Antigen Species:	Human
Gene ID:	3593
Uniprot ID:	P29460
Synonyms:	interleukin 12B;CLMF2;IL-12B;CLMF;NKSF2;IMD29;IMD28;IL12 p40;NKSF
Biology Area:	Cancer, Immunology

Research Background

Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC. Associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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