

For Research Use Only

CoraLite® Plus 488-conjugated IL-12RB1 Monoclonal antibody



Catalog Number: CL488-66829

Basic Information

Catalog Number: CL488-66829	GenBank Accession Number: BC029121	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3594	CloneNo.: 1E10E10
Source: Mouse	UNIPROT ID: P42701	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: interleukin 12 receptor, beta 1	
Immunogen Catalog Number: AG6920	Calculated MW: 662 aa, 73 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

IL12RB1, also named as Interleukin-12 receptor subunit beta-1 or CD212, is a 662 amino acid protein, which contains 5 fibronectin type-III domains and belongs to the type I cytokine receptor family. Type 2 subfamily. IL12RB1 localizes in the membrane and functions as an interleukin receptor which binds interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the interleukin-23 receptor which functions in IL23 signal transduction probably through activation of the Jak-Stat signaling cascade.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

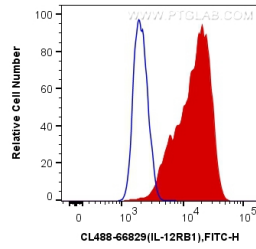
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ K-562 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human IL-12RB1 (CL488-66829, Clone:1E10E10) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).