

For Research Use Only

IL12RB1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84391-4-PBS



Basic Information

Catalog Number:	84391-4-PBS	GenBank Accession Number:	BC029121	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	3594	CloneNo.:	241661D7
Source:	Rabbit	UNIPROT ID:	P42701		
Isotype:	IgG	Full Name:	interleukin 12 receptor, beta 1		
		Calculated MW:	662 aa, 73 kDa		

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Sandwich ELISA,
Indirect ELISA, Sample test

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

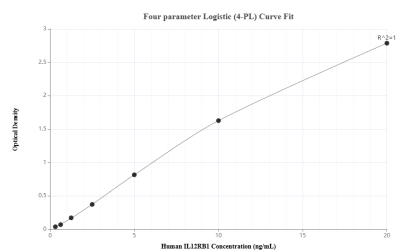
T: 4006900926

E: Proteintech-CN@ptglab.com

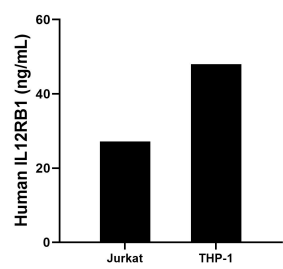
W: ptgcn.com

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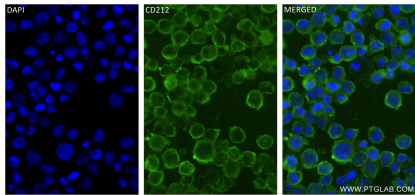
Selected Validation Data



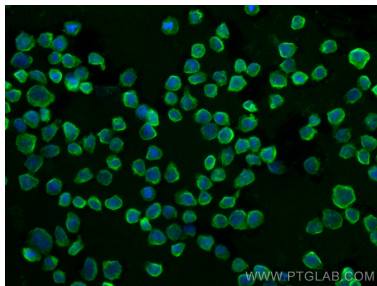
Sandwich ELISA standard curve of MP01262-2, Human IL12RB1 Recombinant Matched Antibody Pair - PBS only. 84391-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP00005. 84391-4-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



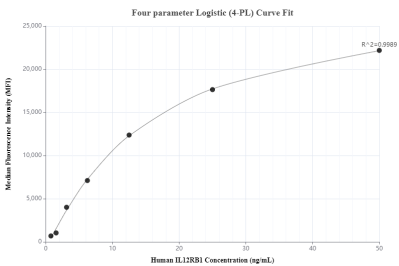
The mean IL12RB1 concentration was determined to be 27.14 ng/mL in Jurkat cell extract based on a 1.9 mg/mL extract load and 48.02 ng/mL in THP-1 cell extract based on a 1.5 mg/mL extract load.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using IL12RB1 antibody (84391-4-RR, Clone: 241661D7) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84391-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using IL12RB1 antibody (84391-4-RR, Clone: 241661D7) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84391-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01262-2, IL12RB1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84391-3-PBS. Detection antibody: 84391-4-PBS. Standard: RP00005. Range: 0.781-50 ng/mL