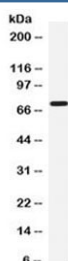


CD212 Antibody / IL12RB1 (R32618)

Catalog No.	Formulation	Size
R32618	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P42701
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CD212 antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with CD212 antibody at 0.5ug/ml.
Predicted molecular weight: ~73/100 kDa (unmodified/glycosylated).

Description

IL12RB1, mapped to 19p13.11, is also known as CD212. The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukin 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. And this protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the CD212 antibody should be determined by the researcher.

Immunogen

Amino acids 624-662 (DKGERTEPLEKTELPEGAPELALDTELSLEDGDRCKAKM-human) were used as the immunogen for the IL12RB1 / CD212 antibody.

Storage

After reconstitution, the CD212 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.