

AR51902PU-S

Human CD212 / IL12RB1 (24-545, His-tag) - Purified

Alternate names:

IL-12 receptor beta, IL-12R-beta-1, IL-12RB1, IL12 receptor beta component, Interleukin-12 receptor beta-1 chain

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by bradford assay)

Background:

IL12RB1, also known as Interleukin-12 receptor subunit beta-1, is a intercellular adhesion molecule 1. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. It forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this protein and IL12RB2 was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling.

Uniprot ID:

[P42701](#)

NCBI:

[NP_005526](#)

GenelD:

[3594](#)

Species:

Human

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE.

Buffer System: Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1mM EDTA, 0.1mM PMSF.

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Description:

Recombinant human IL12RB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

AA Sequence:

CRTSECCFQD PPYPDADSGS ASGPRDLRCY RISSDRYECS WQYEGPTAGV SHFLRCCLSS
GRCCYFAAGS ATRLQFSDQA GVSPLYTVTL WVESWARNQT EKSPEVTLQL YNSVKYEPPL
GDIKVSCLAG QLRMEWETPD NQVGAEVQFR HRTSPSPWKL GDCGPQDDDT ESCLCPLMN
VAQEFQLRRR QLGSQGSSWS KWSSPVCVPP ENPPQPQVRF SVEQLGQDGR RRLTLKEQPT
QLELPEGCQG LAPGTEVTYR LQLHMLSCPC KAKATRTLHL GKMPYLSGAA YNVAVISSNQ
FGPGLNQTHW IPADTHTEPV ALNISVGTNG TTMYPARAQ SMTYCIEWQP VGQDGGGLATC
SLTAPQDPDP AGMATYSWSR ESGAMGQEK YITIFASAH PEKLTWSTV LSTYHFGGNA
SAAGTPHHVS VKNHSLDSVS VDWAPSLST CPGVLKEYVV RCRDEDSKQV SEHPVQPTET
QVTLGSLRAG VAYTVQVRAD TAWLRGVWSQ PQRFSIEVQV SDHHHHHH

Molecular weight: 58.4 kDa (528aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

van de Vosse E. et al. (2003) Immunogenetics. 54(12):817-29.

Pictures:

