abcam

Product datasheet

Recombinant Human IL-12RB1 protein ab152476

1 图像

描述

产品名称	重组人IL-12RB1蛋白
表达系统	Wheat germ
Accession	P42701-3
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MEPLVTWVVPLLFLFLLPRQGAACRTSECCFQDPPYPDADSG SASGPRDL RCYRISSDRYECSWQYEGPTAGVSHFLRCCLSSGRCCYFAAG SATRLQFS DQAGVSVLYTVTLWVESWARNQTEKSPEVTLQLYNSVKYEPP LGDIKVSK LAGQLRMEWETPDNQVGAEVQFRHRTPSSPWKLGDCGPQDDD TESCLCPL EMNVAQEFQLRRRRLGSQGSSWSKWSSPVCVPPENPPQPQVR FSVEQLGQ DGRRRLTLKEQPTQLELPEGCQGLAPGTEVTYRLQLHMLSCP CKAKATRT LHLGKMPYLSGAAYNVAVISSNQFGPGLNQTWHIPADTHTDG MISAHCNL RLPDSRDSPASASRVAGITGICHHTRLILYF
预测分子量	68 kDa including tags
氨基酸	1 to 381

技术指标

Our **Abpromise guarantee** covers the use of **ab152476** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	ELISA
	Western blot
形式	Liquid

补充说明

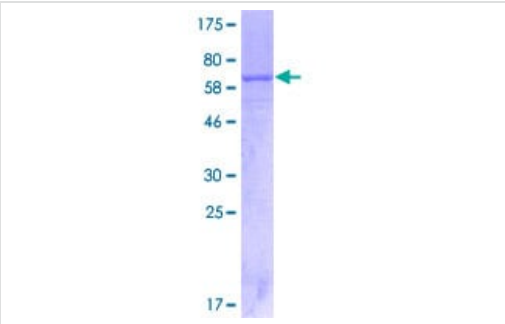
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

功能	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.
疾病相关	Defects in IL12RB1 are a cause of mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]; also known as familial disseminated atypical mycobacterial infection. This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as Bacillus Calmette-Guerin (BCG) vaccine and environmental non-tuberculous mycobacteria, and by the more virulent Mycobacterium tuberculosis. Other microorganisms rarely cause severe clinical disease in individuals with susceptibility to mycobacterial infections, with the exception of Salmonella which infects less than 50% of these individuals. The pathogenic mechanism underlying MSMD is the impairment of interferon-gamma mediated immunity, whose severity determines the clinical outcome. Some patients die of overwhelming mycobacterial disease with lepromatous-like lesions in early childhood, whereas others develop, later in life, disseminated but curable infections with tuberculoid granulomas. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance.
序列相似性	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains.
结构域	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
细胞定位	Membrane.

图片



SDS-PAGE - Recombinant Human IL-12RB1 protein (ab152476)

12.5% SDS-PAGE analysis of ab152476 stained with Coomassie Blue.

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