abcam

Product datasheet

Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) ab83988

画像数 2

製品の詳細

製品名	Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera)
精製度	> 95 % SDS-PAGE.
発現系	HEK 293 cells
アクセッション番号	P38484
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	Theoretical sequence: SQLPAPQHPKIRLYNAEQVLSWEPVALSNSTRPVVYRVQFKY TDSKWF TADIMSIGVNCTQITATECDFTAASPSAGFPMDFNVTLRLRA ELGALH SAWVTMPWFQHYRNVTVGPPENIEVTPGEGSLIIRFSSPFDI ADTSTA FFCYYVHYWEKGGIQQVKGPFRSNSISLDNLKPSRVYCLQVQ AQLLWN KSNIFRVGHLSNISCYETMADASTELQQGSSNTKVDKKVEPK SCDKTH TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV SHEDPE VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL NGKEYK CKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQ VSLTCL VKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKL TVDKSR WQQGNVFSCSVMHEALHNHYTQKSLSLSPGK
領域	28 to 247
配列の追加情報	DNA encoding the signal peptide and extracellular domain of human IFN-gamma R2 (aa 1-247) chain was fused to the Fc region of human IgG1 (aa 93-330). Protein expressed in modified human 293 cells.

特性

Our **Abpromise guarantee** covers the use of **ab83988** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Lyophilized
備考	Previously labelled as IFN gamma Receptor beta.

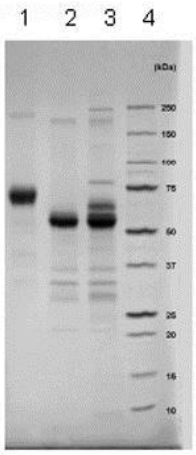
前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C. Constituents: 1% Human serum albumin, 10% Trehalose
再構成	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

関連情報

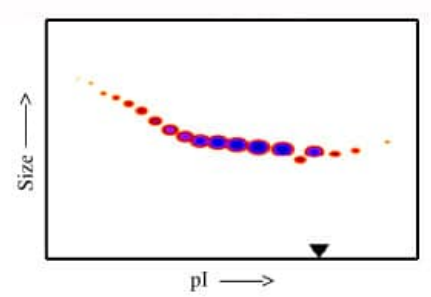
機能	Part of the receptor for interferon gamma. Required for signal transduction. This accessory factor is an integral part of the IFN-gamma signal transduction pathway and is likely to interact with GAF, JAK1, and/or JAK2.
関連疾患	Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial 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.
配列類似性	Belongs to the type II cytokine receptor family. Contains 2 fibronectin type-III domains.
細胞内局在	Membrane.

画像



SDS-PAGE - Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) (ab83988)

Lane 1 – ab83988; Lane 2 – ab83988 treated with PNGase F to remove potential N-linked glycans; Lane 3 – ab83988 treated with a glycosidase cocktail to remove potential N- and O-linked glycans; Lane 4 – MW markers. 10 µg of protein was loaded per lane; Gel was stained with Coomassie G250.
Drop in MW after treatment with PNGase F indicates the presence of N-linked glycans. Faint bands in lane 2 and lane 3 are glycosidase enzymes.



Functional Studies - Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) (ab83988)

Post-translational modifications result in protein heterogeneity. The densitometry scan demonstrates the purified human cell expressed protein exists in multiple glycoforms, which differ according to their level of post-translational modification.
The triangle indicates theoretical pI and MW of the protein.

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