abcam

Product datasheet

Recombinant Human CD116 protein (denatured) ab171473

1 Image

Description

Product name Recombinant Human CD116 protein (denatured)

Purity > 85 % SDS-PAGE.

Expression system Escherichia coli

Accession P15509-2

Protein length Protein fragment

Animal free No

Nature Recombinant

Species Human

Sequence MGSSHHHHHH SSGLVPRGSH MGSLIPEKSD

LRTVAPASSL NVRFDSRTMN LSWDCQENTT FSKCFLTDKK NRVVEPRLSN NECSCTFREI CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR EGTAAQNFSC FIYNADLMNC TWARGPTAPR

DVQYFLYIRN SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG TSREIGIQFF DSLLDTKKIE RFNPPSNVTV

RCNTTHCLVR WKQPRTYQKL SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS

EPRAKHSVKI RAADVRILNW SSWSEAIEFG SDDG

Predicted molecular weight 37 kDa including tags

Amino acids 20 to 320

Tags His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of ab171473 in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Additional notes This product was previously labelled as GM-CSF Receptor alpha

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Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCI, 10% Glycerol (glycerin, glycerine)

General Info

Function Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal

that results in the proliferation, differentiation, and functional activation of hematopoietic cells.

Involvement in diseaseDefects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4

(SMDP4) [MIM:300770]. A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive

lipoproteins accumulation in the alveoli results in severe respiratory distress.

Sequence similarities

Belongs to the type I cytokine receptor family. Type 5 subfamily.

Domain

The WSXWS motif appears to be necessary for proper protein folding and thereby efficient

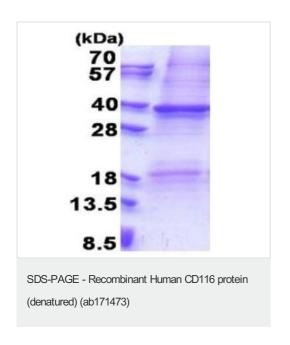
intracellular transport and cell-surface receptor binding.

The box 1 motif is required for JAK interaction and/or activation.

Cellular localization

Secreted and Cell membrane.

Images



15% SDS-PAGE analysis of 3µg ab171473.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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