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Product Information

MemDX™ Antibody Discovery - Human IL-6 R alpha / CD126 (20-365) Membrane Protein, Partial, -Avi -His tag, [Biotin]

Cat. No.: **MP0296F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human IL-6 R alpha / CD126 (20-365). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
IL-6 R alpha / CD126

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 41.7 kDa. The protein migrates as 55-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Leu 20 - Pro 365 (Accession # P08887-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
Avi tag at the C-terminus, followed by a His tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

IL-6 R alpha / CD126

Full Name

interleukin 6 receptor

Introduction

This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been identified in this gene. A pseudogene of this gene is found on chromosome 9.

Alternative Names

IL6Q; gp80; CD126; HIES5; IL6RA; IL6RQ; IL-6RA; IL6QTL; IL-6R-1; interleukin-6 receptor subunit alpha; CD126 antigen; IL-6 receptor subunit alpha; membrane glycoprotein 80

Gene ID

3570

UniProt ID

P08887