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Datasheet for ABIN6253437

IL-6 Receptor Protein (AA 20-357) (Fc Tag)

Overview

Quantity:	50 µg
Target:	IL-6 Receptor (IL6R)
Protein Characteristics:	AA 20-357
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-6 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	IL-6R (mouse):Fc (mouse) (rec.)
Specificity:	The extracellular domain of mouse IL-6R (aa 20-357) is fused to the N-terminus of the Fc region of mouse IgG2a.
Characteristics:	Protein. The extracellular domain of mouse IL-6R (aa 20-357) is fused to the N-terminus of the Fc region of mouse IgG2a. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). Interleukin 6 receptor (IL-6R, CD126) is a type I cytokine receptor, which is a protein complex consisting of an IL-6 receptor subunit (IL-6R) and interleukin 6 signal transducer glycoprotein 130 (gp130). It is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. Dysregulated production of IL-6 and IL-6R are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.
Purity:	>98 % (SDS-PAGE)

Product Details

Endotoxin Level: <0.06EU/μg protein (LAL test, Lonza).

Biological Activity Comment: Measured by its binding ability in a functional ELISA.

Target Details

Target: IL-6 Receptor (IL6R)

Alternative Name: IL-6R ([IL6R Products](#))

Background: Alternate Names/Synonyms: Interleukin-6 Receptor Subunit alpha, IL6RA, CD126
Product Description: Interleukin 6 receptor (IL-6R, CD126) is a type I cytokine receptor, which is a protein complex consisting of an IL-6 receptor subunit (IL-6R) and interleukin 6 signal transducer glycoprotein 130 (gp130). It is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. Dysregulated production of IL-6 and IL-6R are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.

Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized from 0.2μm-filtered solution in PBS.

Handling Advice: Avoid freeze/thaw cycles.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
