

Datasheet for ABIN1684654

IL-6 Receptor Protein (C-Term, Extracellular Domain)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IL-6 Receptor (IL6R)
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant

Product Details

Specificity:	Optimized DNA sequence encoding extracellular domain of mouse IL-6 receptor (CD126) including a C-terminal 6His tag was expressed in HEK293 cells.
Characteristics:	Recombinant mouse IL-6 receptor (CD126) is a monomer protein consisting of 357 amino acid residue subunits, due to glycosylation migrates as an approximately 60-65 kDa protein on SDS-PAGE.
Purity:	> 97 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	IL-6 Receptor (IL6R)
Alternative Name:	CD126 (IL6R Products)

Target Details

Background:	Neurotrophin-3 is found in neurons of the central nervous system. NT-3 is expressed also in muscles and its expression is down-regulated in denervated muscles. Many human gliomas express and secrete NT-3 into the conditioned medium. Some protein domains of NT-3 are identical with those of NGF and BDNF. NT-3 selectively supports the survival of neuronal cell populations. NT-3 has been shown recently to prevent death of cultured embryonic rat spinal motor neurons at picomolar concentrations. NT-3 has been shown to enhance sprouting of corticospinal tract during development and after adult spinal cord lesion. The activities of NT-3 and BDNF are additive in some systems. The biological activities of NT-3 are mediated by a receptor belonging to the trk family of receptors with intrinsic tyrosine-specific protein kinase activity. NT-3 only binds weakly to the trk receptor which is a high-affinity receptor for NGF.
UniProt:	P22272
Pathways:	JAK-STAT Signaling , Autophagy , Growth Factor Binding , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Buffer:	PBS solution, pH7.2.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	The lyophilized protein is stable for at least years from date of receipt at -20 °C. Upon reconstitution, this cytokine can be stored in working aliquots at -8 °C for one month, or at -20 °C for six months, with a carrier protein without detectable loss of activity.
Expiry Date:	12-24 months