

Datasheet for ABIN6239822

IL-6 Receptor Protein (AA 52-204) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	IL-6 Receptor (IL6R)
Protein Characteristics:	AA 52-204
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This IL-6 Receptor protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>IL6R (Interleukin-6 receptor subunit alpha) is part of the receptor for interleukin 6. The interaction of IL6R and IL6 may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Thus, a binding ELISA assay was conducted to detect the association of IL6R with IL6. Briefly, IL6R were diluted serially in PBS with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL6-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IL6R pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of IL6R with IL6 was shown in Figure 1 and this effect</p>

Product Details

was in a dose dependent manner The binding activity of IL6R with IL6.

Target Details

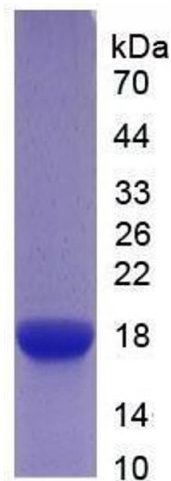
Target:	IL-6 Receptor (IL6R)
Abstract:	IL6R Products
Background:	Alternative Names: CD126, gp80, IL6R, IL-6R-1, IL-6R-Alpha, IL6RA, IL-6 receptor subunit alpha, Membrane glycoprotein 80
Molecular Weight:	18kDa
UniProt:	P22272
Pathways:	JAK-STAT Signaling , Autophagy , Growth Factor Binding , Cancer Immune Checkpoints

Application Details

Application Notes:	Isoelectric Point: 6.5
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.01 % SKL, 1 mM DTT, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.



SDS-PAGE

Image 1. Figure. SDS-PAGE; Sample: Active recombinant IL6R, Mouse.