

Interleukin 6 Receptor (IL6R) Active Protein | IL6R active protein

Active Interleukin 6 Receptor (IL6R)

CATALOG # AAA148136	REACTIVITY Mouse	APPLICATIONS Activity Assay, Cell Culture
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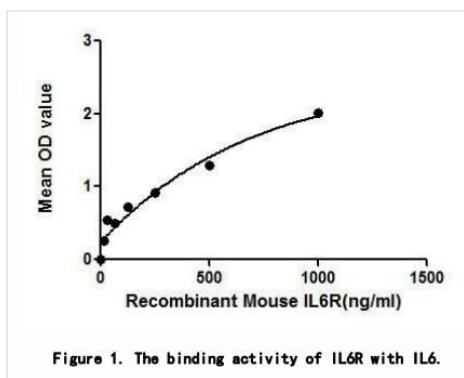
PRODUCT SYNONYMS

Interleukin 6 Receptor (IL6R); Active Interleukin 6 Receptor (IL6R); CD126; gp80; IL6R; IL-6R-1; IL-6R-Alpha; IL6RA; IL-6 receptor subunit alpha; Membrane glycoprotein 80; IL6R active protein

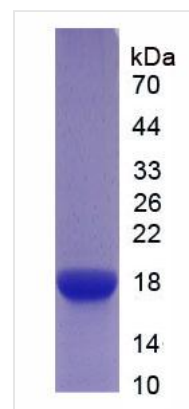
PRODUCT SPECIFICATIONS

Reactivity	Mouse
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	460
Applicable Applications for IL6R active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Fragment	Ala52~Ala204
Isoelectric Point	6.5

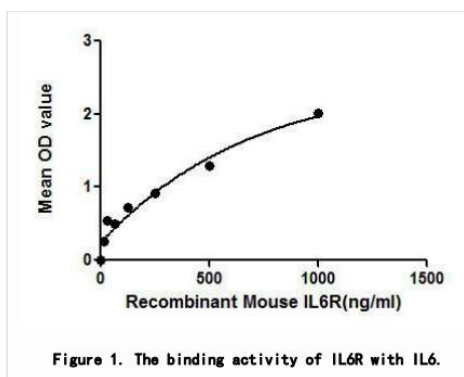
IMAGES



Application Data



SDS-PAGE



Activity

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 degree 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 degree C. Finally, add 50uL 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 was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL6R active protein

Signal transduction; CD & Adhesion molecule; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	110431356
NCBI GeneID	16194
NCBI Accession #	NP_034689.2
NCBI GenBank Nucleotide #	NM_010559.3
UniProt Accession #	P22272
Molecular Weight	Predicted Molecular Weight: 18.0kDa Accurate Molecular Weight: 18kDa
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor, alpha
NCBI Official Symbol	Il6ra
NCBI Official Synonym Symbols	Il6r; CD126; IL-6R; IL-6RA; IL-6R-alpha
NCBI Protein Information	interleukin-6 receptor subunit alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	Il6ra
UniProt Synonym Gene Names	Il6r; IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.