

Human IL-6 Receptor (IL-6R) protein (Recombinant) (STJP000392)

STJP000392

GENERAL INFORMATION

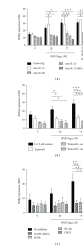
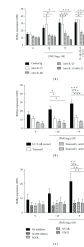
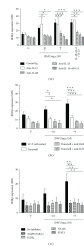
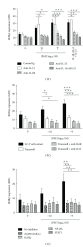
Product Type	Proteins
Short Description	Recombinant-Human IL-6 Receptor (IL-6R)-protein was developed from hek293. For use in research applications.
Host/Source	HEK293

PRODUCT PROPERTIES

Concentration	
Formulation	Recombinant Human Interleukin-6 receptor (CD126) is supplied as a 0.2 µg/ml filtered PBS solution, pH7.2.
Purification	
Dilution Range	>97%, as determined by SDS-PAGE and HPLC
Storage	Recombinant human IL-6R, as supplied, can be stored in working aliquots at 2-8°C for one month, or at -20°C to -70°C for twelve months. Avoid repeated freeze/thaw cycles.
Instruction	

TARGET INFORMATION

Gene ID	3570
Gene Symbol	IL6R
Uniprot ID	IL6RA_HUMAN
Immunogen Sequence	



(a) Monocyte-derived LC were stimulated with either vehicle or PAF in the presence of neutralizing antibody to IL-15, IL-6R, and/or IL-23, or control Ig, and cocultured with antiCD3/CD28-activated CD4+ T cells for 5 days.

Frozen female CD34+ CBCs were supplied by Bio-Resource Center. CD34+ CBCs were cultured in hematopoietic culture medium (serum-free X-Vivo10 containing 50 ng/ml IL-6, 50 ng/ml aIL-6, 50 ng/ml SCF, ten ng/ml TPO, and 20 ng/ml Flt3L ligand). Reprogrammed cells were cultured in feeder-less primate ES cell medium Repro FF (J. No. RCHEM0004) ReproFF2 (ReproCELL, cat No. RCHEM0006), mTeSR1 (catalog number 03650) or ES (10) supplemented with five ng/ml bFGF (total bFGF ten ng/mL) on Prolectin F-coated dishes. Passage of human iPSCs was previously described.

HEK293T cells were transfected with mc_mock, mc_sTNFR-Fc, or mc_anti-IL-6R and the conditioned media were collected 24 h post-transfection. A-FLS were incubated with or without human IL-6 (100 ng/mL), aIL-6 (100 ng/mL), and TNF-Alpha (20 ng/mL) for 72 h. The incubation A-FLS were treated with the conditioned media of HEK293T cells transfected with mc_mock, mc_sTNF-Fc, mc_anti-IL-6 or PBS (as a negative control). Cell proliferation was assessed using the cell counting kit-8 (CCK-8), according to the manufacturer's instructions.

To analyze the amounts of anti-IL-6R antibody and sTNFR2-Fc protein expressed by the transfected cells, the culture media of HEK293T cells transfected with the indicated minicircle vectors were analyzed by ELISA at 24 h post-transfection. The levels of sTNFR2-Fc were quantified using human sTNF-R (80 kDa) Platinum ELISA (eBioscience, San Diego, CA), according to the manufacturer's instructions. ELISA was performed to determine the levels of anti-IL-6R antibodies. Briefly, a 96-well microtiter plate was coated with commercial anti-human IL-6R antibodies (B-R; eBioscience) at a concentration of 0.5 µg/mL in coating buffer, and incubated overnight at 4°C. The plate was washed five times with washing buffer, and incubated with 1 µg/mL of human IL-6R at room temperature (RT) for 1 h. After washing, the plate was incubated with blocking solution for 1 h at RT, followed by incubation with 100 µL of serially diluted tocilizumab (used as a standard), and the conditioned media from HEK293T cells were transfected...

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.

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