

DESCRIPTION

Target:	IL6R
Target aliases:	Gp80, IL-1Ra, CD126, IL-6R, IL6RA, IL-6RA, IL-6R-1, IL-6R 1, IL6QTL, HIES5, IL6RQ, IL6Q
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc-γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

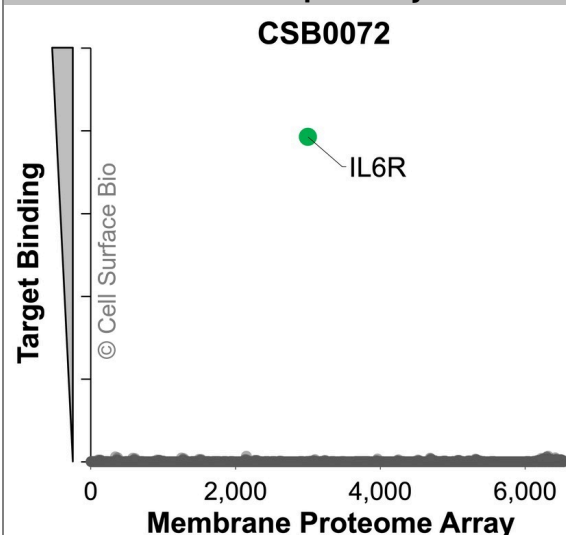
1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc-γ receptor binding site to minimize non-specific antibody binding.

IL6R TARGET INFORMATION

IL6R is a single-pass transmembrane protein and part of the receptor for IL6. IL6R needs to associate with IL6ST to transduce a signal. The membrane-bound form of IL6R has primarily anti-inflammatory effects, while the soluble form of IL6R contributes to the pro-inflammatory effects of IL6. IL6R and IL6 are involved in multiple myeloma, autoimmune diseases, chronic inflammatory diseases, and prostate cancer. (NCBI Gene: 3570, UniProtKB/Swiss-Prot: P08887) Other names: Gp80, IL-1Ra, CD126, IL-6R, IL6RA, IL-6RA, IL-6R-1, IL-6R 1, IL6QTL, HIES5, IL6RQ, IL6Q

SHIPPING AND STORAGE

Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA
Membrane Proteome Specificity


The specificity of IL6R Monoclonal Antibody (CSB0072) was tested on the Membrane Proteome Array™ and shown to be specific for IL6R.

The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed human cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml
mAb + target mAb + control Control mAb + target © Cell Surface Bio (Left) JS-1 cells transiently transfected IL6R were stained with IL6R Monoclonal Antibody (CSB0072) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) JS-1 cells transiently transfected with an empty control vector stained with IL6R Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with IL6R and stained with control MAb.		

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml
mAb + target mAb + control Control mAb + target © Cell Surface Bio (Left) JS-1 cells transiently transfected IL6R were permeabilized and stained with IL6R Monoclonal Antibody (CSB0072) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) JS-1 cells transiently transfected with an empty control vector stained with IL6R Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.		