



Anti-Mouse IL-6R alpha (#27E22)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	103-M544
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with recombinant mouse Interleukin-6R alpha (IL-6R alpha)).

Target Background

Synonyms (Target):	Il6; IL-6
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IL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, IL-6 has diverse biological functions. It stimulates B-cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R α and gp130. Murine IL-6 is inactive on human cells, while both human and murine are equally active on murine cells. Recombinant murine IL-6 is a 21.7 kDa protein containing 187 amino acid residues.

Database References Target

Protein RefSeq:	NP_112445.1
Uniprot ID:	P08505
mRNA RefSeq:	NM_031168

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#27E22)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	recombinant mouse IL-6R alpha
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -20°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:
ICC, FC

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!