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Datasheet for ABIN5668254

Recombinant anti-IL-6R (Tocilizumab Biosimilar) antibody

1 Image

Overview

Quantity:	200 µg
Target:	IL-6R (Tocilizumab Biosimilar)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This IL-6R (Tocilizumab Biosimilar) antibody is un-conjugated
Application:	ELISA, Inhibition Assay (InhA)

Product Details

Immunogen:	This antibody was prepared by CDR grafting of mouse AUK 12-20 antibody onto a human framework regions.
Clone:	RhPM-1
Isotype:	IgG kappa
Specificity:	Tocilizumab binds specifically to both the membrane bound and soluble forms of human IL-6R. The IL6 receptor is a protein complex consisting of an IL-6 receptor subunit (IL6R) and interleukin 6 signal transducer Glycoprotein 130. Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response.
Characteristics:	OriginalSpeciesName: Human OriginalFormat: IgG1

Product Details

Purification:	Purified antibody.
Purity:	> 98 % as determined by SDS-PAGE
Endotoxin Level:	Endotoxin is < 1.0 EU/mg as determined by the LAL method

Target Details

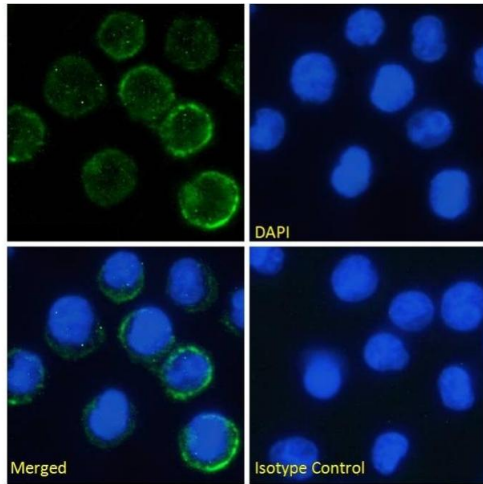
Target:	IL-6R (Tocilizumab Biosimilar)
Abstract:	IL-6R (Tocilizumab Biosimilar) Products
Target Type:	Biosimilar
Background:	IL6R, MRA, atilizumab
UniProt:	A0N0L5

Application Details

Application Notes:	Tocilizumab can be used in ELISA assays and is able to inhibit the growth of IL-6-dependent tumor cell lines (to the same extent as the original AUK12-20 mouse antibody) - inhibits sIL-6R and mIL-6R-mediated signaling.
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed U937 cells with anti-IL-6 receptor antibody rhPM-1 (Tocilizumab). Immunofluorescence analysis of paraformaldehyde fixed U937 cells on Shi-fix™ coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of rhPM-1 (Tocilizumab) (ABIN5668254) at 10 μ g/mL for 1h followed by Alexa Fluor®488 secondary antibody (1 μ g/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN5668254, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor®488 secondary antibody.