

Datasheet for ABIN7072548

Recombinant anti-IL-6 Receptor antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	IL-6 Receptor (IL6R)
Reactivity:	Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This IL-6 Receptor antibody is un-conjugated
Application:	Flow Cytometry (FACS), Blocking Peptide (BP)

Product Details

Purpose:	Anti-IL-6R [D7715A7], Rabbit IgG, kappa
Immunogen:	This antibody was raised by immunising Lewis rats with OKT4 cells.
Clone:	D7715A7
Isotype:	IgG kappa
Specificity:	This antibody is specific for murine IL-6R.
Characteristics:	Original Species of Ab: Rat Original Format of Ab: IgG2b
Purification:	Protein A affinity purified

Target Details

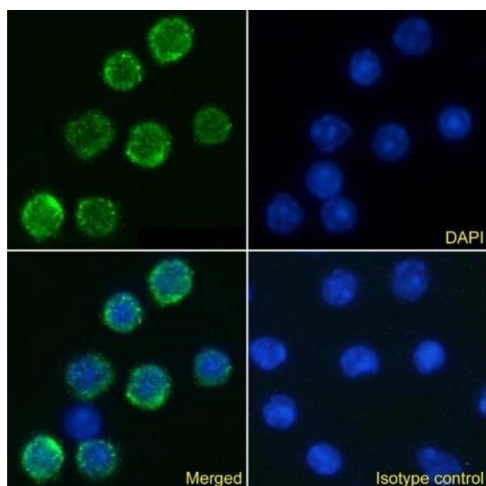
Target:	IL-6 Receptor (IL6R)
Alternative Name:	IL-6R (IL6R Products)
Background:	CD126, 15A7, IL-6Ra, IL6R, Interleukin-6 receptor subunit alpha, Il6ra, IL-6 receptor subunit alpha, IL-6R subunit alpha, IL-6R-alpha, IL-6RA, IL-6R 1
UniProt:	P22272
Pathways:	JAK-STAT Signaling , Autophagy , Growth Factor Binding , Cancer Immune Checkpoints

Application Details

Application Notes:	This antibody binds to IL-6R-positive cells, and blocks IL-6 binding (Vink et al, 1990, Coulie et al, 1990). This antibody is able to inhibit the growth of IL6-dependent plasmacytoma T1033C2 in vitro (Coulie et al, 1990). Administration of this antibody to mice prior to challenge with T1033C2 resulted in a protection rate of 60 % and prolonged survival in tumour-bearing mice (Vink et al, 1990). This antibody has been used in flow cytometry to assess IL-6Ra expression (Hoge et al, 2013). When added to dendritic cells subject to CD40 activation in vitro, this antibody neutralises IL-6 and ablates the effect of CD40 activation (Grohmann et al, 2001).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
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 mouse splenocytes using anti-IL-6R antibody D7715A7. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric rabbit IgG version of D7715A7 (ABIN7072548) at 10 µg/mL followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072548, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (ABIN5668035) followed by Alexa Fluor® 488 secondary antibody.