

Product datasheet

Anti-IL-6R antibody [AP-MAB0848] ab83053

★★★★☆ [3 Abreviews](#) [13 References](#)

Overview

Product name	Anti-IL-6R antibody [AP-MAB0848]
Description	Rat monoclonal [AP-MAB0848] to IL-6R
Host species	Rat
Tested applications	Suitable for: Inhibition Assay, IP, ICC/IF, Flow Cyt, WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant full length protein corresponding to Mouse IL-6R.

General notes

This monoclonal can be used to block IL-6/IL-6R interactions.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purification notes	The IgG fraction of culture supernatant was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 µm filtered solution in phosphate buffered saline.
Primary antibody notes	This monoclonal can be used to block IL-6/IL-6R interactions.
Clonality	Monoclonal
Clone number	AP-MAB0848
Isotype	IgG2b

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab83053 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Inhibition Assay		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab18536 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 52 kDa.

Target

Function	Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Low concentration of a soluble form of IL6 receptor acts as an agonist of IL6 activity.
Tissue specificity	Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 3 subfamily. Contains 1 fibronectin type-III domain. Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Domain	The two fibronectin type-III-like domains, contained in the N-terminal part, form together a cytokine-binding domain. The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.
Post-translational modifications	A short soluble form may also be released from the membrane by proteolysis.
Cellular localization	Secreted and Basolateral cell membrane.

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