

## Product datasheet

# Anti-CD130 (gp130) antibody [B-R3] - BSA and Azide free ab34315

## 4 References

### Overview

<b>Product name</b>	Anti-CD130 (gp130) antibody [B-R3] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [B-R3] to CD130 (gp130) - BSA and Azide free
<b>Host species</b>	Mouse
<b>Specificity</b>	Recognizes a 130 kDa protein.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, ELISA, Functional Studies
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Chemical/ Small Molecule corresponding to Human CD130 (gp130). Database link: <a href="#">P40189</a>

### General notes

ab34315 inhibits IL6, IL11, CNTF, LIF and OSM activity. Inhibits OSM and CNTF binding

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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purification notes</b>	Purified by Ion exchange chromatography, sterile-filtered through 0.22 µm. Treated to remove endotoxins.
<b>Primary antibody notes</b>	ab34315 inhibits IL6, IL11, CNTF, LIF and OSM activity. Inhibits OSM and CNTF binding

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B-R3
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab34315 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
Flow Cyt		Use at an assay dependent concentration. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
ELISA		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration.

## Target

<b>Function</b>	Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6. May have a role in embryonic development (By similarity). The type I OSM receptor is capable of transducing OSM-specific signaling events.
<b>Tissue specificity</b>	Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells.
<b>Sequence similarities</b>	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
<b>Domain</b>	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
<b>Post-translational modifications</b>	Phosphorylation of Ser-782 down-regulates cell surface expression. Heavily N-glycosylated.
<b>Cellular localization</b>	Secreted and Cell membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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