

## Product datasheet

# Anti-CD130 (gp130) antibody [B-S12] - BSA and Azide free ab27359

[2 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-CD130 (gp130) antibody [B-S12] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [B-S12] to CD130 (gp130) - BSA and Azide free
<b>Host species</b>	Mouse
<b>Specificity</b>	Recognises the Gp130, common subunit for IL-6, IL-11, OSM, LIF, CNTF, CT-1 receptors, a 130-140 kDa protein.  Activates cells carrying gp130. Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native protein (purified) corresponding to CD130 (gp130).
<b>Positive control</b>	Eahy 926 cell line.
<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 19<sup>th</sup> June 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation.</p> <p>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.</p> <p>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&amp;As</p>

### Properties

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<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 long term.
<b>Storage buffer</b>	pH: 7.30

Constituent: 100% PBS

Sterile-filtered through 0.22 µm. Carrier and preservative free

<b>Carrier free</b>	Yes
<b>Purity</b>	Tissue culture supernatant
<b>Primary antibody notes</b>	Induces gp130 activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B-S12
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

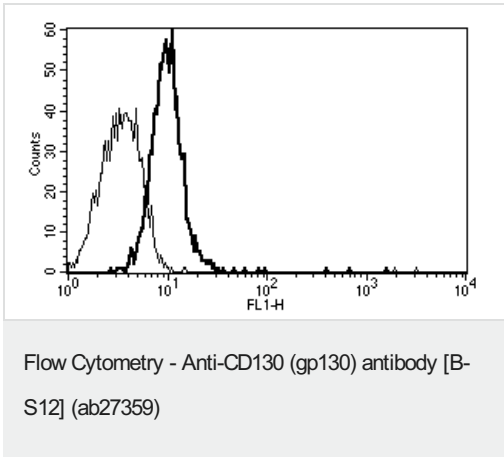
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab27359 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 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.

## Images



A typical staining pattern with ab27359 using Eahy 926 cell line.

This image was generated using the ascites version of the product.

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