

Anti-CD130 (gp130) antibody [B-T2] ab11462

1 References

Overview

Product name	Anti-CD130 (gp130) antibody [B-T2]
Description	Mouse monoclonal [B-T2] to CD130 (gp130)
Host species	Mouse
Tested applications	Suitable for: ELISA, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Natural soluble gp130 receptor (Human).
General notes	<p>Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</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&As</p>

Properties

Form	Liquid
Storage instructions	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. Please see notes section. Store undiluted. The product can be stored for up to 12 months.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Ion Exchange Chromatography
Purification notes	Purified IgG prepared by ion exchange chromatography.
Clonality	Monoclonal
Clone number	B-T2
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab11462 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
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. Use 0.2µg for 10 ⁶ cells. Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl.

Target

Function

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.

Tissue specificity

Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells.

Sequence similarities

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.

Domain

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.

Post-translational modifications

Phosphorylation of Ser-782 down-regulates cell surface expression.
Heavily N-glycosylated.

Cellular localization

Secreted and Cell membrane.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors