

Product datasheet

Anti-CD130 (gp130) antibody [B-K5] - BSA and Azide free ab34324

Recombinant

[2 References](#) [2 Images](#)

Overview

Product name	Anti-CD130 (gp130) antibody [B-K5] - BSA and Azide free
Description	Mouse monoclonal [B-K5] to CD130 (gp130) - BSA and Azide free
Host species	Mouse
Specificity	Recognises Gp130, common subunit for IL-6, IL-11, OSM, LIF, CNTF, CT-1 receptors, a 130-140 kDa protein.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Full length protein corresponding to Human CD130 (gp130). Natural soluble gp130 Database link: P40189
General notes	<p>This product was changed from ascites to tissue culture supernatant on 4th April 2 19. 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>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30

Constituent: 100% PBS

Sterile-filtered through 0.22 µm. Carrier and preservative free

Carrier free	Yes
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	B-K5
Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

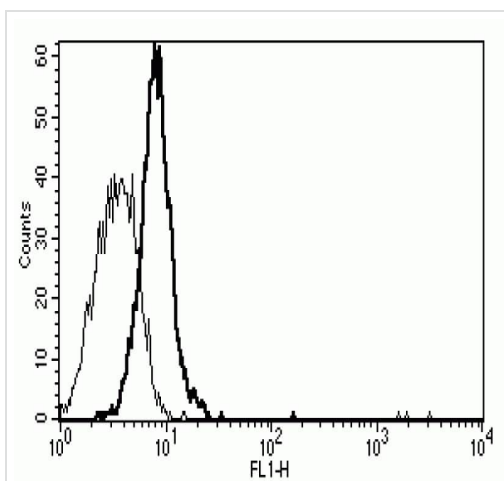
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34324 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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.

Images



Flow cytometry analysis of Eahy 926 cell line with ab34324.

Flow Cytometry - Anti-CD130 (gp130) antibody [B-K5] - BSA and Azide free (ab34324)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD130 (gp130) antibody [B-K5] - BSA and Azide free (ab34324)

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

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