

Datasheet: MCA6232GA

Description:	MOUSE ANTI HUMAN CD130
Specificity:	CD130
Other names:	IL-6RB
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A14-5C5
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Sf21 derived recombinant human CD130 (Leu24-Glu619)
External Database Links	<p>UniProt: P40189 Related reagents</p> <p>Entrez Gene: 3572 IL6ST Related reagents</p>
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human CD130 antibody, clone A14-5C5, recognizes CD130, also known as glycoprotein 130 (gp130) and STAT3. It is a ubiquitously expressed receptor subunit of the IL-6 family of cytokines and plays a role in many biological processes including hematopoiesis, immune response, inflammation, cardiovascular action, and neuronal survival. CD130 also plays a critical role during development with CD130 deficient mice being embryonically lethal as a result of myocardial hypoplasia and defects in hematopoiesis (White & Stephens 2011). CD130 is known to bind various cytokines in the IL-6 family, including IL-6, IL-11, IL-27, CT-1, oncostatin M and ciliary neurotrophic factor (White & Stephens 2011). Upon activation by these cytokines, various signaling pathways can be initiated including JAK/STAT, MAPK, mTOR, ERK and PI3K/Atk (Silver & Hunter 2010).</p> <p>The purified Mouse anti Human CD130 antibody, clone A14-5C5 (MCA6232GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CD130 antibody, clone E03-3C2 (MCA6233B) as the detection antibody.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6232GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN CD130:Biotin \(MCA6233B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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