

Datasheet: MCA5964GA

BATCH NUMBER 280814

Description:	MOUSE ANTI HUMAN INTERLEUKIN-11
Specificity:	IL-11
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C01-1C2
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	▪			

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 ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 23-125 of human IL-11
External Database Links	UniProt:

Entrez Gene:

[3589](#) IL11 [Related reagents](#)

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
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Specificity	<p>Mouse anti Human interleukin-11, clone C01-1C2, recognizes human interleukin-11 (IL-11), a 178 amino acid non-glycosylated pleiotropic cytokine, also known as AGIF. IL-11 is a 19 kDa member of the IL-6 of cytokines. It signals through a high affinity receptor complex, made up of the IL-11 receptor alpha chain (IL-11Ralpha) and gp130 which triggers homo- or hetero-dimerization of gp130. Although gp130 and its dimer partners possess no kinase activity, the dimerization of gp130 leads to activation of tyrosine kinases and modulation of transcriptional activity.</p> <p>IL-11 is an important regulator in the haematopoiesis of erythroid, myeloid and megakaryocyte progenitor cells and is expressed in a variety of tissues including the lung, bone, thymus and connective tissue. Expression of IL-11 in endometrial stromal cells is vital for normal murine embryo development, and implicated in decidualization during human pregnancy. IL-11 is a functionally diverse signalling molecule with roles in megakaryopoiesis (Dams-Kozłowska <i>et al.</i> 2013), bone growth (Sims <i>et al.</i> 2005) and T cell proliferation (Curti <i>et al.</i> 2002).</p>
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Further Reading	<ol style="list-style-type: none">1. Curti, A. <i>et al.</i> (2002) Interleukin-11 induces proliferation of human T-cells and its activity is associated with downregulation of p27(kip1) Haematologica 87: 373-80.2. Dams-koźłowska, H. <i>et al.</i> (2013) Designer cytokine hyper interleukin 11 (H11) is a megakaryopoietic factor. Int J Med Sci. 10 (9): 1157-65.3. Sims, N.A. <i>et al.</i> (2005) Interleukin-11 receptor signaling is required for normal bone remodeling Journal of Bone and Mineral Research 20: 1093–102.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5964GA</p> <p>10040</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)
 Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
 Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
 Goat Anti Mouse IgG (STAR76...) [RPE](#)
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
 Goat Anti Mouse IgG (STAR70...) [FITC](#)
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
 'M368530:200529'

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