

Datasheet: MCA5965GA

Description:	MOUSE ANTI HUMAN INTERLEUKIN 27 ALPHA
Specificity:	IL-27 ALPHA
Other names:	IL-27 ALPHA, IL27P28
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	H08-5C8
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	NS0-derived recombinant human IL-27
External Database Links	<p>UniProt: Q8NEV9 Related reagents</p> <p>Entrez Gene: 246778 IL27 Related reagents</p>

Synonyms	IL27A
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti Human IL-27α, clone H08-5C8, recognizes IL-27α, a subunit of IL-27. IL-27 is a 62 kDa member of the IL-6/IL-12 family of long type I cytokines. IL-27 is heterodimeric group 2 receptor composed of Epstein-Barr Virus induced gene 3 (EBI3) and IL-27α. EBI3 is a 34 kDa glycoprotein that is related to the p40 subunit of IL-12 and IL-23 and IL-27α is a 28 kDa glycoprotein that is related to the p35 of chain IL-12.</p> <p>IL-27 has broad range of pro- and anti-inflammatory properties, mediating its effects via its gp130-associated cytokine receptor and JAK/STAT signalling cascades. It can alter T helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells and has diverse effects on innate immune cells. <i>In vivo</i>, it is reported to play an important role in immune regulation, as mice with defects in IL-27 or its receptor display enhanced immune responses (Batten & Ghilardi 2007).</p>
Further Reading	1. Batten, M. & Ghilardi, N. (2007) The biology and therapeutic potential of interleukin 27 J Mol Med (Berl). 85: 661-72.
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>
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC

North & South Tel: +1 800 265 7376

America 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

'M261634:140925'

Printed on 25 May 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)