

Datasheet: HCA140

Description:	HUMAN ANTI HUMAN INTERLEUKIN-33
Specificity:	IL-33
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD07786
Isotype:	HuCAL Fab bivalent
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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	A bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied lyophilized.
Reconstitution	Reconstitute with 1.0 ml distilled water
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	Ig concentration 0.1 mg/ml after reconstitution
Immunogen	Human IL33-N1 fusion protein
External Database Links	<p>UniProt: O95760 Related reagents</p> <p>Entrez Gene: 90865 IL33 Related reagents</p>
Synonyms	C9orf26, IL1F11, NFHEV
RRID	AB_10863150
Specificity	<p>Human anti Human Interleukin-33 antibody, clone AbD07786 recognizes human Interleukin-33 (IL-33), a cytokine formerly known as NF-HEV (nuclear factor from high endothelial venules).</p> <p>IL-33 belongs to the IL-1 super family which signals through interaction with the ST2 and Toll-interleukin 1 (IL-1) receptors, and is known to act as an immunoregulator of T helper 2 (Th2) cell cytokine synthesis. IL-33 is abundantly expressed in high endothelial venules and found in tonsils, Peyer's patches and mesenteric lymph nodes.</p>
ELISA	This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with AHP1482B as the detection reagent.
Further Reading	1. Joshi, A.D. <i>et al.</i> (2010) Interleukin-33 contributes to both M1 and M2 chemokine marker expression in human macrophages. BMC Immunol. 11: 52.
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. 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>
Guarantee	12 months from date of reconstitution
Acknowledgements	<p>Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [ALEXA FLUOR® 488](#), [ALEXA FLUOR® 647](#), [Alk. Phos.](#), [Biotin](#), [FITC](#)

Mouse Anti Human C-MYC (MCA2200...) [ALEXA FLUOR® 488](#), [ALEXA FLUOR® 647](#), [Alk. Phos.](#), [Biotin](#), [FITC](#), [HRP](#), [RPE](#)

Recommended Negative Controls

[HuCAL Fab-dHLX-MH NEGATIVE CONTROL \(HCA052\)](#)

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

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