

Datasheet: MCA2476GA

BATCH NUMBER 169784

Description:	HAMSTER ANTI HUMAN EMR3
Specificity:	EMR3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3D7
Isotype:	IgG
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	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody 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 antibody 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
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	ARHO-EMR3-CD97 (EGF1) transfectants.
External Database Links	<p>UniProt: Q9BY15 Related reagents</p> <p>Entrez Gene: 84658 EMR3 Related reagents</p>
RRID	AB_872003
Fusion Partners	Spleen cells from immunized Armenian hamster were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Hamster anti Human EMR3 antibody, clone 3D7 recognizes human epidermal growth factor (EGF) module-containing mucin-like hormone receptor 3 (EMR3), a ~56 kDa member of the EGF-7 transmembrane (TM7) family of adhesion receptors. EMR3 is expressed at the cell surface as a heterodimer.</p> <p>EMR3 is predominantly expressed on granulocytes, and at lower levels on mature myeloid cells, monocytes and dendritic cells. EMR3 is absent on lymphocytes, haematopoietic stem cells and myeloid progenitors. EMR3 is up-regulated during late stages of neutrophil differentiation and is a marker for terminally differentiated cells (Matmati et al.2007).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Drewniak, A. <i>et al.</i> (2009) Changes in gene expression of granulocytes during <i>in vivo</i> granulocyte colony-stimulating factor/dexamethasone mobilization for transfusion purposes. Blood. 113: 5979-98. 2. Gazendam, R.P. <i>et al.</i> (2016) Impaired killing of <i>Candida albicans</i>. by granulocytes mobilized for transfusion purposes: a role for granule components. Haematologica. 101 (5): 587-96. 3. van de Geer, A. <i>et al.</i> (2017) Characterization of buffy coat-derived granulocytes for clinical use: a comparison with granulocyte colony-stimulating factor/dexamethasone-pretreated donor-derived products. Vox Sang. 112 (2): 173-82. 4. Hansen, M. <i>et al.</i> (2018) Efficient production of erythroid, megakaryocytic and myeloid cells, using single cell-derived iPSC colony differentiation. Stem Cell Res. 29: 232-44.
Further Reading	1. Carpenter, G. & Cohen, S. (1990) Epidermal growth factor. J Biol Chem. 265 (14): 7709-12.
Storage	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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/MCA2476GA
--------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) [DyLight@550](#), [DyLight@650](#), [DyLight@800](#),
[FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M383803:210513'

Printed on 03 Sep 2025