

Datasheet: MCA644G

Description:	MOUSE ANTI HUMAN IgD (Fc)
Specificity:	IgD (Fc)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LE2
Isotype:	IgG1
Quantity:	0.2 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
Immunohistology - Frozen	■			1/100 - 1/300

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
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Purified Human IgD (Fc).
External Database Links	UniProt: P01880 Related reagents Entrez Gene: 3495 IGHD Related reagents
Fusion Partners	Spleen cells from BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity	Mouse anti Human IgD (Fc) antibody, clone LE2 recognizes an epitope located in the Fc region

the heavy chain of human immunoglobulin D (IgD). Human IgD existst in two forms, the major membrane bound form which is co-expressed with IgM on the surface of mature B-cells ([Blattner et al. 1984](#)) and a minor secreted form comprising about 0.25% total serum Ig ([Rogentine et al. 1966](#)). Membrane bound IgD bears predominantly the κ light chain whereas the secreted form has predominantly λ light chains ([Preud'homme et al. 2000](#))

References

1. Creasey, A.M. *et al.* (2003) Nonspecific immunoglobulin M binding and chondroitin sulfate A binding are linked phenotypes of Plasmodium falciparum isolates implicated in malaria during pregnancy. [Infect Immun. 71 \(8\): 4767-71.](#)
2. Kolar, G.R. *et al.* (2007) A novel human B cell subpopulation representing the initial germinal center population to express AID. [Blood. 109: 2545-52.](#)
3. Sun, Z. *et al.* (2005) Semi-extended solution structure of human myeloma immunoglobulin D determined by constrained X-ray scattering. [J Mol Biol. 353: 155-73.](#)
4. Toly-Ndour, C. *et al.* (2011) Acute renal failure with lambda light chain-derived crystals in a patient with IgD myeloma. [Nephrol Dial Transplant. 26: 3057-9.](#)

Storage

Store at +4°C or at -20°C if preferred.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10266 available at:
10266: <https://www.bio-rad-antibodies.com/uploads/MSDS/10266.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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Fax: +1 919 878 3751

Worldwide Tel: +44 (0)1865 852 700
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'M318887:180719'

Printed on 01 Aug 2018