

Datasheet: MCA2812GA

Description:	MOUSE ANTI HUMAN HLA DR
Specificity:	HLA DR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	L243
Isotype:	IgG2a
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	▪			Neat - 1/10

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

Species Cross Reactivity

Reacts with: Chimpanzee, Baboon, Cynomolgus monkey, Rhesus Monkey, Marmoset, African green monkey, Dog, Squirrel monkey, Pig-tailed macaque, Marmoset
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
External Database Links	UniProt: Q29769 Related reagents
Specificity	Mouse anti Human HLA DR antibody, clone L243 recognizes the human HLA DR antigen, a member of the MHC class II family, which is expressed by B cells, activated T cells and monocytes. Mouse anti Human HLA DR antibody, clone L243 binds to a conformational epitope on HLA DR α and does not cross react with HLA DQ and HLA DP.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Wang, D. <i>et al.</i> (2002) The influence of HLA-DR4 (0401) on the immune response to type II collagen and the development of collagen induced arthritis in mice. J Autoimmun. 18 (2): 95-103. 2. Chaturvedi, C.P. <i>et al.</i> (2018) Altered Expression of Hematopoiesis Regulatory Molecules in Lipopolysaccharide-Induced Bone Marrow Mesenchymal Stem Cells of Patients with Aplastic Anemia. Stem Cells Int. 2018: 6901761. 3. Kim, S.H. <i>et al.</i> (2019) Forkhead box O1 (FOXO1) controls the migratory response of Toll-like receptor (TLR3)-stimulated human mesenchymal stromal cells. J Biol Chem. 294 (21): 8424-37. 4. Temme, S. <i>et al.</i> (2019) Assembly, Intracellular Transport, and Release of MHC Class II Peptide Receptors. Methods Mol Biol. 1988: 297-314. 5. Ngugi, S. <i>et al.</i> (2022) The innate immune response in the marmoset during the acute pneumonic disease caused by <i>Burkholderia pseudomallei</i>. Infect Immun. : IAI0055021. 6. Nelson, M. <i>et al.</i> (2021) Comparison of experimental MERS-CoV infection acquired by three individual routes of infection in the common marmoset. J Virol. : JVI0173921.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
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

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Human Anti Mouse IgG2a (HCA037...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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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

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