

Datasheet: MCA6364

**BATCH NUMBER 165017**

<b>Description:</b>	RABBIT ANTI CD23
<b>Specificity:</b>	CD23
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM406
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/100 - 1/200
Western Blotting	▪			1/500 - 1/1000

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to residues near the C-terminus of human CD23
<b>External Database</b>	<b>UniProt:</b>

**Links**[P06734](#) [Related reagents](#)**Entrez Gene:**[2208](#) FCER2 [Related reagents](#)**Synonyms**

CD23A, CLEC4J, FCE2, IGBF

**Specificity****Rabbit anti CD23 antibody** recognizes low affinity immunoglobulin epsilon Fc receptor, also known as FCER2 and BLAST-2.

CD23 is a cell surface calcium-binding protein and receptor for the Fc domain of IgE, regulating synthesis of IgE on the surface of B lymphocytes and other cells ([Jégouzo et al. 2019](#)). CD23 has been shown to act as a negative regulator for IgE and IgG antibody responses in B cells by influencing cellular activation and differentiation ([Liu et al. 2016](#)). In addition CD23 regulates IgE-related immune responses by stimulating production of pro-inflammatory mediators ([Rosenwasser and Meng 2005](#)). CD23 also facilitates induction of antibody and T-cell responses ([Engeroff et al. 2020](#)). CD23 plays important roles in allergic disease through IgE-facilitated allergen presentation, controlling allergen-specific T-cell activation ([Selb et al. 2017](#)).

**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6364>  
10048

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

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