

Datasheet: MCA6368

BATCH NUMBER 157631

Description:	RABBIT ANTI CD278
Specificity:	CD278
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM417
Isotype:	IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/100 - 1/200

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	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the C-terminus of human CD278
External Database Links	UniProt:

Entrez Gene:

[29851](#) ICOS [Related reagents](#)

Synonyms	AILIM
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Specificity	Rabbit anti CD278 antibody recognizes inducible T-cell costimulator, also known as ICOS and AILIM.
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CD278 is a member of the immunoglobulin family of co-receptor molecules mainly expressed on activated cytotoxic T cells, memory T cells, and regulatory T cells ([Xiao et al. 2020](#)). Its main role appears to be supporting differentiation and function of CD4+ follicular helper (Tfh) cells during germinal centre reactions ([Panneton et al. 2018](#)). The protein has significant homology to CD28 and CTLA-4. CD278 expression is induced on T cells following T cell receptor (TCR) cross-linking and/or CD28 co-stimulation ([Wikenheiser and Stumhofer 2016](#)). Because of its expression pattern, CD278 provides an early and sensitive method for detecting T-cell immune responses to cancer therapy ([Xiao et al. 2020](#)).

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.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10048 available at: 10048: https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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Regulatory	For research purposes only
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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)
'M387000:210604'

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