

## Datasheet: MCA6348

**BATCH NUMBER 166771**

<b>Description:</b>	RABBIT ANTI CD276
<b>Specificity:</b>	CD276
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM335
<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).

	<b>Yes</b>	<b>No</b>	<b>Not Determined</b>	<b>Suggested Dilution</b>
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/5000 - 1/10000

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 the C-terminus of human CD276
<b>External Database</b>	<b>UniProt:</b>

Links

[Q5ZPR3](#) [Related reagents](#)

**Entrez Gene:**

[80381](#) CD276 [Related reagents](#)

**Synonyms**

B7H3

**Specificity**

**Rabbit anti CD276 antibody** recognizes CD276 antigen, also known as B7-H3.

CD276 is a type I transmembrane protein which acts as a co-stimulatory/co-inhibitory molecule in the immune system to induce cellular immunity ([Zhang and Hao 2019](#)). CD276 functions as an immune checkpoint protein induced on the surface of antigen-presenting cells and is important for inhibition of T cell function. This protein is overexpressed in a range of solid cancers and tumor-infiltrating blood vessels and frequently correlates with negative prognosis and poor clinical outcome ([Picarda et al. 2017](#)). Anti-CD276 drug conjugates have been suggested as promising anti-cancer therapies, due to the overexpression of CD276 on tumors making it possible to distinguish between physiological and pathological processes ([Seaman et al. 2018](#)).

**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/MCA6348>  
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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Printed on 18 Jan 2024

