

## Datasheet: MCA6342

**BATCH NUMBER 157605**

<b>Description:</b>	RABBIT ANTI CD140b
<b>Specificity:</b>	CD140b
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM303
<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	▪			1/500 - 1/1000
Western Blotting	▪			1/250 - 1/500

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 CD140b
<b>External Database</b>	<b>UniProt:</b>

Links

[P09619](#) [Related reagents](#)

**Entrez Gene:**

[5159](#) PDGFRB [Related reagents](#)

**Specificity**

**Rabbit anti CD140b antibody** recognizes platelet-derived growth factor receptor beta, also known as PDGFRB.

CD140b is a receptor tyrosine kinase expressed in many cell types and involved with a range of signaling pathways, including during embryonic development. CD140b plays an important role in vascular progenitor cell signaling ([Karasozen et al. 2019](#)). Unusually for receptor tyrosine kinases, mutations in CD140b are only found in a few conditions with overlapping features ([Pond et al. 2017](#)). However, overexpression of PDGFRB can occur in cancers. For example, PDGFRB has been found to be overexpressed but not somatically mutated in malignant pleural mesothelioma tissues. More broadly, PDGFRB is associated with aggressive behaviour of several tumor types ([Melaiu 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: 10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

**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](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)  
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