

## Datasheet: MCA2786Z

**BATCH NUMBER 162907**

<b>Description:</b>	MOUSE ANTI HUMAN CD11c:Preservative Free
<b>Specificity:</b>	CD11c
<b>Other names:</b>	INTEGRIN ALPHA X CHAIN
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CBR-p150/4G1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			5 - 10ug/ml
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays	▪			

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
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Recombinant human CD11c.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P20702</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3687</a>    ITGAX    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD11C
<b>RRID</b>	AB_1100627
<b>Specificity</b>	<p><b>Mouse anti Human CD11c antibody, clone CBR-p150/4G1</b> specifically recognizes human CD11c, otherwise known as integrin alpha X chain and leukocyte adhesion receptor p150,95, a ~150 kDa type I transmembrane protein and member of the integrin alpha chain family, expressed by monocytes, macrophages, granulocytes and NK cells, and is a marker for hairy cell leukaemia cells.</p> <p>CD11c combines with the CD18 beta chain (ITGB2) to form the leukocyte specific integrin CR4, acts as a mediator of leukocyte adherence to endothelium, and binds to the ligands CD54 (ICAM1), iC3b and fibrinogen.</p> <p>Mouse anti Human CD11c antibody, clone CBR-p150/4G1 inhibits the binding of CD11c to endothelial cells. Mouse anti Human CD11c antibody, clone CBR-p150/4G1 does not recognize CD11a, CD11b or CD18.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	1. Schack, L. <i>et al.</i> (2009) Osteopontin enhances phagocytosis through a novel osteopontin receptor, the alphaXbeta2 integrin. <a href="#">J Immunol. 182: 6943-50.</a>
<b>Further Reading</b>	1. Corbi, A.L. <i>et al.</i> (1990) Genomic structure of an integrin alpha subunit, the leukocyte p150,95 molecule. <a href="#">J Biol Chem. 265 (5): 2782-8.</a>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2786Z">https://www.bio-rad-antibodies.com/SDS/MCA2786Z</a>

**Regulatory**

For research purposes only

**Related Products****Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

**Recommended Negative Controls**[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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)  
'M403859:220817'

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