

Datasheet: MCA2786Z

BATCH NUMBER 311011

Description:	MOUSE ANTI HUMAN CD11c:Preservative Free
Specificity:	CD11c
Other names:	INTEGRIN ALPHA X CHAIN
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	CBR-p150/4G1
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human CD11c.
External Database Links	<p>UniProt: P20702 Related reagents</p> <p>Entrez Gene: 3687 ITGAX Related reagents</p>
Synonyms	CD11C
RRID	AB_1100627
Specificity	<p>Mouse anti Human CD11c antibody, clone CBR-p150/4G1 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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	1. Schack, L. <i>et al.</i> (2009) Osteopontin enhances phagocytosis through a novel osteopontin receptor, the alphaXbeta2 integrin. J Immunol. 182: 6943-50.
Further Reading	1. Corbi, A.L. <i>et al.</i> (1990) Genomic structure of an integrin alpha subunit, the leukocyte p150,95 molecule. J Biol Chem. 265 (5): 2782-8.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA2786Z 10162</p>

Related Products

Recommended Secondary Antibodies

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

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

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