

Datasheet: MCA2786Z

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	UniProt:

Links[P20702](#)[Related reagents](#)**Entrez Gene:**[3687](#)

ITGAX

[Related reagents](#)

Synonyms	CD11C
Specificity	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. 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. 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.
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	Store at -20°C only. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

'M288702:160607'

Printed on 26 May 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)