

Datasheet: MCA711SBV515

BATCH NUMBER 100004573

Description:	RAT ANTI MOUSE CD11b:StarBright Violet 515		
Specificity:	CD11b		
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1		
Format:	StarBright Violet 515		
Product Type:	Monoclonal Antibody		
Clone:	5C6		
Isotype:	lgG2b		
Quantity:	100 TESTS/0.5ml		

Product Details

Applications

Buffer Solution

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				Neat

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	Mouse				
Species Cross	Reacts with: Human				
Reactivity	N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.				
Product Form	Purified IgG conjugated to StarBright Violet 515 - liquid				
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)		
	StarBright Violet 515	401	516		

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)1% Bovine Serum Albumin

0.1% Pluronic F68 0.1% PEG 3350

Immunogen

Thioglycollate-elicited peritoneal macrophages (TPM)

External Database Links

UniProt:

P05555 Related reagents

Entrez Gene:

16409 Itgam Related reagents

Fusion Partners

Spleen cells from AO rats were fused with cells of the Y3 rat myeloma cell line

Specificity

Rat anti Mouse CD11b antibody, clone 5C6 recognizes CD11b, also known as the integrin alpha M chain. CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles.

Rat anti Mouse CD11b antibody, clone 5C6 immunoprecipitates a heterodimer of ~165 and ~95 kDa. This clone also exhibits various functional properties, reportedly inhibiting adhesion *in vitro* and inflammatory recruitment *in vivo*. Rat anti Mouse CD11b antibody, clone 5C6 also inhibits delayed hypersensitivity, potentiates bacterial infections and inhibits type 1 diabetes.

Flow Cytometry

Use 5ul of the suggested working dilution to label 10⁶ cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20438 available at: https://www.bio-rad-antibodies.com/SDS/MCA711SBV515 20438
Regulatory	For research purposes only

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Recommended Useful Reagents

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