

Datasheet: MCA1380FT

Description:	MOUSE ANTI HUMAN CD22:FITC
Specificity:	CD22
Other names:	BL-CAM
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	Mc64-12
Isotype:	IgG1
Quantity:	25 µg

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	▪			Neat - 1/10

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Species Cross Reactivity	Reacts with: Sheep, Bovine N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation (nm)	Emission (nm)
	FITC	490	520
Preparation	Purified IgG prepared by affinity chromatography on Protein A		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	CD22 isolated from Daudi cells.		

**External Database
Links**

UniProt:
[P20273](#) [Related reagents](#)

Entrez Gene:
[933](#) CD22 [Related reagents](#)

Synonyms SIGLEC2

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity **Mouse anti Human CD22 antibody, clone Mc64-12** recognizes the human CD22 cell surface antigen, a ~130/140 kDa glycoprotein expressed by cells of B lymphocyte lineage.

CD22 is initially expressed cytoplasmically and subsequently on the cell surface during B cell maturation. It is lost upon terminal differentiation to plasma cells.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood

References

1. Griebel, P.J. *et al.* (2007) Cross-reactivity of mAbs to human CD antigens with sheep leukocytes. [Vet Immunol Immunopathol. 119: 115-22.](#)
2. Sopp, P. *et al.* (2007) Cross-reactivity of mAbs to human CD antigens with cells from cattle. [Vet Immunol Immunopathol. 119: 106-14.](#)

Storage Store at +4°C for one month or at -20°C for longer.

This product should be stored undiluted. This product is photosensitive and should be protected from light.

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 #10041 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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