

## Technical Data Sheet

## Purified NA/LE Rat Anti-Mouse CD102

## Product Information

Material Number:	553325
Alternate Name:	ICAM-2
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	3C4(mIC2/4)
Immunogen:	Transfected Cell Line
Isotype:	Rat (LEW) IgG2a, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 $\mu$ m sterile filtered. Endotoxin level is $\leq 0.01$ EU/ $\mu$ g ( $\leq 0.001$ ng/ $\mu$ g) of protein as determined by the LAL assay.

## Description

The 3C4 (mIC2/4) antibody reacts with the mouse ICAM-2 (CD102) cell surface glycoprotein, a ligand for LFA-1. CD102 is constitutively expressed on endothelial cells, T and B lymphocytes, and alveolar walls. It is also expressed on a variety of leukocyte cell lines. CD102 does not appear to be involved in the development of hematopoietic cells. In a model for allergic asthma, endothelial CD102 mediates the transmigration of eosinophils (but not lymphocytes, monocytes, or macrophages) into the airway lumen. The 3C4 (mIC2/4) antibody blocks interactions between ICAM-2 and LFA-1.

## Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

## Application Notes

## Application

Flow cytometry	Routinely Tested
Blocking	Reported
Immunohistochemistry-frozen	Reported
Immunoprecipitation	Reported
Immunohistochemistry-formalin (antigen retrieval required)	Not Recommended

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553926	Purified NA/LE Rat IgG2a $\kappa$ Isotype Control	0.5 mg	R35-95
554016	FITC Goat Anti-Rat Ig	0.5 mg	Polyclonal

## Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

## References

Gerwin N, Gonzalo JA, Lloyd C, et al. Prolonged eosinophil accumulation in allergic lung interstitium of ICAM-2 deficient mice results in extended hyperresponsiveness. *Immunity*. 1999; 10(1):9-19. (Biology: Immunohistochemistry)  
 Xu H, Bickford JK, Luther E, Carpenito C, Takei F, Springer TA. Characterization of murine intercellular adhesion molecule-2. *J Immunol*. 1996; 156(12):4909-4914. (Immunogen: Blocking, Immunoprecipitation)

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