

Novocastra™ Lyophilized Mouse Monoclonal Antibody CD43

Product Code: NCL-MT1

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD43 antigen.
Clone	MT1
Ig Class	IgG1
Antigen Used for Immunizations	Human lymphocytes.
Hybridoma Partner	Mouse myeloma (X63).
Preparation	Lyophilized tissue culture supernatant diluted in 1% BSA/PBS containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
Effective on Frozen Tissue	Yes.
Effective on Paraffin Wax Embedded Tissue	Yes.
Recommendations on Use	Immunohistochemistry on paraffin sections. Epitope Retrieval: Not recommended. Suggested dilution: 1:40 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u>
Positive Controls	Immunohistochemistry: Tonsil. Western Blotting: Sup-T1 cell line.
Staining Pattern	Membrane and cytoplasmic.
Storage and Stability	Store unopened lyophilized antibody at 2-8 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 2-8 °C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20 °C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.
Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com





B I O S Y S T E M S

General Overview

The CD43 antigen is expressed on the membrane and in the cytoplasm of T cells and cells of myeloid lineage. The molecule itself exhibits molecular weight heterogeneity with bands of 90 to 140 kD observed between different cell lines.

General References

Stross W P, Warnke R A, Flavell D J, et al.. *Journal of Clinical Pathology*. 42: 953–961 (1989).
Myskow M W, Krajewski A S, Salter D M, et al.. *American Journal of Pathology*. 90: 564–574 (1988).
Hall P A, Lindeman R, Butler M G, et al.. *Journal of Clinical Pathology*. 40: 870–873 (1987).
Poppema S, Hollema H, Visser L, et al.. *American Journal of Pathology*. 127: 418–429 (1987).
Norton A J and Isaacson P G. *Histopathology*. 10: 1243–1260 (1986).
West K P, Warford A, Fray L, et al.. *Journal of Pathology*. 150: 89–101 (1986).