

Novocastra™ Liquid Mouse Monoclonal Antibody CD43

Product Code: NCL-L-MT1

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| 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 | Liquid tissue culture supernatant containing sodium azide. Volume as indicated on 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 liquid 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. 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).