Novocastra™ Lyophilized Mouse Monoclonal Antibody Tartrate-Resistant Acid Phosphatase

Product Code: NCL-TRAP

Intended Use FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

Specificity Human tartrate-resistant acid phosphatase.

Clone 26E5

Ig Class IgG2b

Antigen Used for Immunizations Prokaryotic recombinant fusion protein corresponding to the N-terminal portion of the TRAP molecule.

Hybridoma Partner Mouse myeloma (p3-NS1-Ag4-1).

Preparation Lyophilized tissue culture supernatant containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.

Effective on Frozen Tissue No

Effective on Paraffin Wax Embedded Tissue Yes

Recommendations on Use Immunohistochemistry on paraffin sections.


Suggested dilution: 1:300 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

The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.

Positive Controls Immunohistochemistry: Tonsil

Staining Pattern Cytoplasmic

Storage and Stability Store unopened 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. Do not use after expiration 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 reconstituted antibody are stored 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. Return to 2–8 °C immediately after use. Storage conditions other than those specified above must be verified by the user.

Warnings and Precautions This reagent has been prepared from the supernatant of cell culture confirm. 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
General Overview
Tartrate-resistant acid phosphatase (TRAP) is a basic, iron-binding protein with high activity towards phosphoproteins, ATP and 4-nitrophenyl phosphate. This isoenzyme has been detected in human alveolar macrophages, osteoclasts, spleen and liver. TRAP expression has also been reported in placental decidual cells, syncytiotrophoblasts and some macrophages distributed throughout maternal and embryonic tissues.

General References