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DATA SHEET

Mouse Anti-Tartrate Resistant Acid Phosphatase (TRAcP/TRAP5) [9C5]: MC0385, MC0385RTU7

Intended Use: For Research Use Only

Description: Tartrate resistant acid phosphatase (TRAcP) is a basic, iron-binding protein with high activity towards phosphoproteins, ATP and 4 nitrophenyl phosphate. Expression of TRAcP is reported to be increased in the spleen and monocytes of individuals with Gaucher's disease, splenocytes and circulating white cells of individuals with hairy cell leukemia, spleens of individuals with Hodgkin disease, and the sera of individuals undergoing active bone turnover. Elevated levels are also reported to be associated with various B-cell and T-cell leukemias and lymphomas, placental decidual cells, syncytiotrophoblasts, and some macrophages distributed throughout maternal and embryonic tissues. The histochemical identification of hairy cell leukemia via tartrate-resistant acid phosphatase assay has been a standard for over two decades. Anti-TRAcP labels the cells of hairy cell leukemia (HCL) with a high degree of sensitivity and specificity. Worthy also of mention in this regard are anti-annexin A1 and anti-CD11c. Other cells stained with anti-TRAcP are tissue macrophages and osteoclasts, which also express abundant TRAcP activity.

Specifications

Clone:	9C5
Source:	Mouse
Isotype:	IgG2b
Reactivity:	Human
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

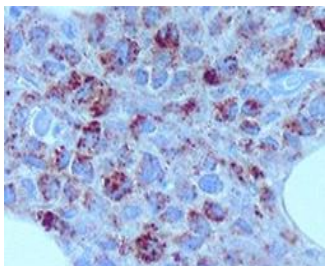
Package:

Description	Catalog No.	Size
TRAcP/TRAP5 Concentrated	MC0385	1 ml
TRAcP/TRAP5 Prediluted	MC0385RTU7	7 ml

IHC Procedure:

Positive Control Tissue:	Hairy cell leukemia
Concentrated Dilution:	25-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human bone marrow with hairy cell leukemia stained with anti-TRAcP using DAB

References

1. Tartrate-resistant acid phosphatase as an immunohistochemical marker for inflammatory macrophages. Janckila AJ1, et al. Am J Clin Pathol. Apr;127(4):556-66, 2007.
2. Hairy Cell Identification by Immunohistochemistry of Tartrate-Resistant Acid Phosphatase. AJ Janckila et al. Blood 85 (10), 2839-2844, 1995.

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