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DATA SHEET

Mouse Anti-Tartrate Resistant Acid Phosphatase (TRAcP/TRAP5) [ACP5/1070]: MC0958, MC0958RTU7

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:	ACP5/1070
Source:	Mouse
Isotype:	IgG2b/k
Reactivity:	Human, mouse, rat
Immunogen:	Recombinant full-length human TRAcP protein
Localization:	Cytoplasm
Formulation:	Protein A/G purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

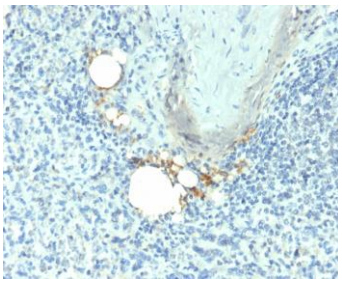
Package:

Description	Catalog No.	Size
TRAcP/TRAP5 Concentrated	MC0958	1 ml
TRAcP/TRAP5 Prediluted	MC0958RTU7	7 ml

IHC Procedure:

Positive Control Tissue:	Hairy cell leukemia
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 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 spleen 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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