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Product datasheet for AM10145SU-N

Tartrate Resistant Acid Phosphatase (ACP5) Mouse Monoclonal Antibody [Clone ID: 9C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9C5
Applications:	IHC
Recommended Dilution:	**Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections:** 1/50-1/200 Pretreatment of deperaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. *Positive Control:* Hairy cell leukemia.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified Human TRAcP protein.
Specificity:	Recognizes TRAcP. Anti-TRAcP antibody labels the cells of hairy cell leukemia (HCL) with a high degree of sensitivity and specificity. Other cells stained with this antibody are tissue macrophages and osteoclasts, which also express abundant TRAcP activity. Cellular Localization: Cytoplasmic.
Formulation:	State: Supernatant State: Liquid purified Ig fraction with 0.2% BSA and 15mM Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	acid phosphatase 5, tartrate resistant
Database Link:	Entrez Gene 5395 HumanEntrez Gene 54 Human P13686

View online »

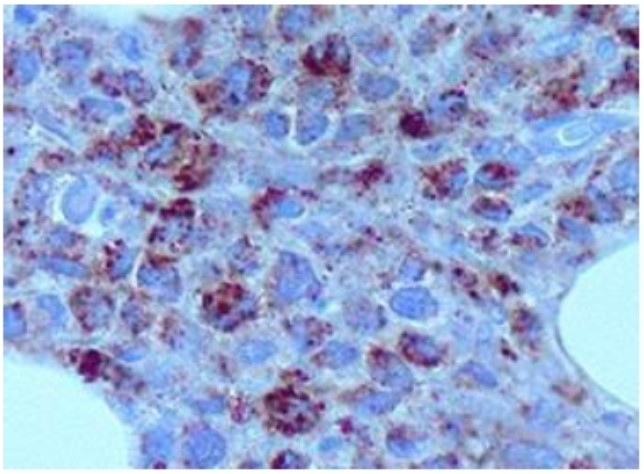
Background: Tartrate-resistant acid phosphatase (TRAP) is a basic iron-binding protein with high activity towards phosphoproteins, ATP and 4-nitrophenyl phosphatase. It is detected in human alveolar macrophages, osteoclasts, spleen and liver. Its expression is increased in spleen and monocytes of patients with Gaucher's disease; spleenocytes and circulating leukocytes of patients with hairy cell leukemia; spleen of patients with Hodgkin's lymphoma and in the sera of patients undergoing active bone turnover.
The histochemical identification of hairy cell leukemia via tartrate-resistant acid phosphatase assay has been a standard for over two decades.

Synonyms: Tartrate-resistant acid phosphatase type 5, TRAP5, TRAcP

Protein Families: Druggable Genome

Protein Pathways: Mismatch repair

Product images:



Formalin-Fixed, Paraffin-Embedded Human bone marrow with hairy cell leukemia stained with TRAcP antibody Cat.-No. AM10145SU-N using peroxidase conjugate and DAB chromogen. Note the cytoplasmic staining of leukemia cells.