



Mouse Anti-Human TRAcP monoclonal antibody, clone JID788 (CABT-L2780)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human TRAcP
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID788
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Hairy Cell Leukemia
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Tartrate-Resistant Acid Phosphatase (TRAcP) is an iron-binding protein present in many cell types, including macrophages and osteoclasts. TRAcP is present in elevated levels in the spleen, as well as in monocytes of patients with Gaucher's disease, splenocytes and circulating lymphocytes of patients with hairy cell leukemia, the spleen of those with Hodgkin's disease, the sera of individuals undergoing active bone turnover, and in B-cell and T-cell leukemias and lymphomas. Maternal and embryonic tissues have also been found to have elevated levels of TRAcP in placental decidual cells, syncytiotrophoblasts, and some macrophages. Anti-TRAcP is the ideal choice for identifying hairy cell leukemia due to its high sensitivity and specificity.
Keywords	ACP5;acid phosphatase 5, tartrate resistant;TRAP;SPENCDI;tartrate-resistant acid phosphatase type 5;TrATPase;tartrate-resistant acid ATPase;

GENE INFORMATION

Gene Name	ACP5 acid phosphatase 5, tartrate resistant [Homo sapiens (human)]
Official Symbol	ACP5
Synonyms	ACP5; acid phosphatase 5, tartrate resistant; TRAP; SPENCDI; tartrate-resistant acid phosphatase type 5; TrATPase; tartrate-resistant acid ATPase;
Entrez Gene ID	54
Protein Refseq	NP_001104504
UniProt ID	A0A024R7F8
Chromosome Location	19p13.2
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective BTBD9 causes biotinidase deficiency; Defective CD320 causes methylmalonic aciduria; Defective CUBN causes hereditary megaloblastic anemia 1; Defective GIF causes intrinsic factor deficiency; Defective HLCS causes multiple carboxylase deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cblF; Defective MMAA causes methylmalonic aciduria type cblA;
Function	acid phosphatase activity; ferric iron binding; ferrous iron binding;