Product Datasheet

TRACP/PAP/ACP5 Antibody (ACP5/1070) [PE/Atto594]
NBP2-47666PEATT594

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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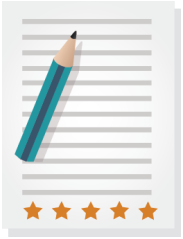
Updated 9/10/2023 v.20.1



NBP2-47666PEATT594

TRACP/PAP/ACP5 Antibody (ACP5/1070) [PE/Atto594]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	ACP5/1070
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	PE/Atto594
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	54
Gene Symbol	ACP5
Species	Human, Mouse, Rat
Marker	Hairy Cell Leukemia Marker
Specificity/Sensitivity	It recognizes a protein of 35kDa, which is identified as tartrate-resistant acid phosphatase (TRAcP). It exists as two isoforms (5a and 5b). This monoclonal antibody reacts with both the isoforms. Serum TRAcP 5a is secreted by macrophages and dendritic cells and increased in many patients of rheumatoid arthritis.Serum TRAcP 5b is produced from osteoclasts and elevated during bone resorption. TRAcP is an iron containing glycoprotein, which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L (+)-tartrate. TRAcP is synthesized as a latent proenzyme and is activated by proteolytic cleavage and reduction. Normally, TRAcP is highly expressed by osteoclasts, activated macrophages, neurons and endometrium during pregnancy. Expression of TRAcP is increased in certain pathological conditions such as Leukemic Reticuloendotheliosis (Hairy Cell Leukemia), Gauchers Disease, HIV-induced Encephalopathy, Osteoclastoma and in osteoporosis and metabolic bone diseases. 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.
Immunogen	Recombinant full-length human TRACP/PAP/ACP5 protein (Uniprot: P13686)

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at technical@novusbio.com if you have any questions.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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