Datasheet for ABIN7013887

anti-TRAFs and NIK-Associated Protein (TNAP) antibody (APC)

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2 Images

Overview

Quantity:	0.1 mg
Target:	TRAFs and NIK-Associated Protein (TNAP)
Reactivity:	Human, Dog, Goat, Monkey, Pig, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	WERI-RB-1 retinoblastoma cell line
Clone:	W8B2B10
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody W8B2B10 recognizes TNAP (tissue non-specific alkaline phosphatase), an ectoenzyme expressed mainly on embryonic stem cells, liver, bone, and kidney cells. This antibody is suitable for characterization of bone marrow-derived MSCs, iPSCs, and ESCs.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

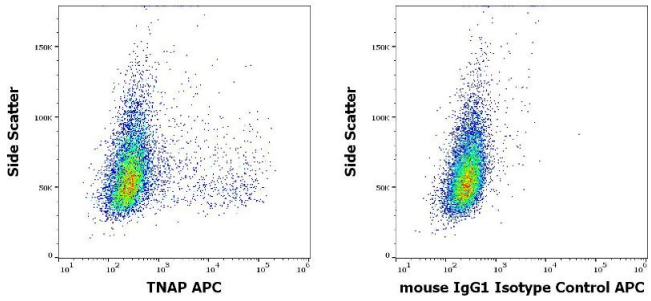
Target:	TRAFs and NIK-Associated Protein (TNAP)
Alternative Name:	TNAP (TNAP Products)
Background:	Alkaline phosphatase, biomineralization associated,Tissue non-specific alkaline phosphatase (TNAP), also known as liver/bone/kidney alkaline phosphatase, or MSCA-1 (mesenchymal stem cell antigen 1) is a selective marker for the prospective isolation of bone marrow-derived mesenchymal stem cells and mesenchymal stem-like cells. It is expressed at high levels in liver, bone, kidney, or endometrium, as well as on embryonic stem cells (ESCs). TNAP also plays a role in bone mineralization. Mutations in TNAP gene are associated with hypercalcemia and skeletal defects (hypophosphatasia).,Tissue Non-specific Alkaline Phosphatase, MSCA-1, liver/bone/kidney alkaline phosphatase
Gene ID:	249
UniProt:	P05186

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-5 µg/mL.
Restrictions:	For Research Use only

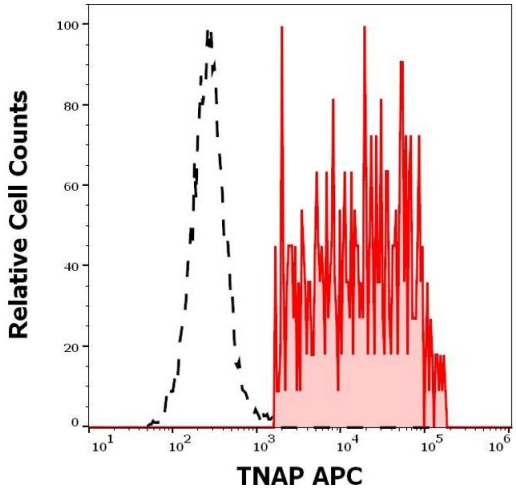
Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining patterns of HeLa cells stained using anti-TNAP (W8B2B10) APC antibody (concentration in sample 0.56 µg/mL, left) or mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 0.56 µg/mL, same as TNAP APC concentration, right).



Flow Cytometry

Image 2. Separation of TNAP positive HeLa cells (red-filled) from TNAP negative HeLa cells (black-dashed) in flow cytometry analysis (surface staining) of HeLa cellular suspension stained using anti-TNAP (W8B2B10) APC antibody (concentration in sample 0.56 µg/mL).