Anti-Human MSCA-1 APC

Catalog Number: 17-9669

Also known as: TNAP, tissue-nonspecific alkaline phosphatase, ALPL


Staining of WERI-Rb-1 cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human MSCA-1 APC (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human MSCA-1 APC
Catalog Number: 17-9669
Clone: W8B2
Concentration: 5 μL (0.125 μg)/test
Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

The monoclonal antibody W8B2 reacts with mesenchymal stem cell antigen-1 (MSCA-1), which is also known as tissue non-specific alkaline phosphatase (TNAP). MSCA-1 is a GPI-anchored protein that is known to be expressed by bone marrow mesenchymal stem cells, liver cells, kidney cells, embryonic stem cells, dorsal root ganglia neurons, and the spinal cord. This enzyme hydrolyzes molecules at physiological and alkaline pH. MSCA-1 is believed to promote bone mineralization and is also important in adenosine biosynthesis in the nervous system. This antigen can also be used as a general osteoblast marker.

Applications Reported

This W8B2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This W8B2 antibody has been pre-titrated and tested by flow cytometric analysis of WERI-Rb-1 cell line. This can be used at 5 μL (0.125 μg) per test. A test is defined as the amount (μg) of antibody that will stain a cell sample in a final volume of 100 μL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References


Kim YH, Yoon DS, Kim HO, Lee JW. Characterization of different subpopulations from bone marrow-derived mesenchymal stromal cells by alkaline phosphatase expression. Stem Cells Dev. 2012 Nov 1;21(16):2958-68. (W8B2, FC)


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Related Products
00-6993 7-AAD Viability Staining Solution
17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)