

OSMR Monoclonal Antibody (AN-V2), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AN-V2
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10805393

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	1 Publication

Product Specific Information

Description: This monoclonal AN-V2 antibody reacts with the human oncostatin M (OSM) receptor. OSM, which belongs to the interleukin-6 cytokine family, is produced by T cells, activated monocytes, and dendritic cells. In humans, OSM can bind two unique receptor complexes. The type I OSM receptor is composed of the LIFR associated with gp130, and recognizes both LIF and OSM. The type II OSM receptor, which consists of gp130 and the OSMR subunit, specifically binds the cytokine, leading to activation of the JAK/STAT signaling pathway. Reports have also indicated a soluble form of the OSM receptor, which this antibody also recognizes. The OSM receptor is expressed in the bone marrow, endothelium, liver, lung, and numerous tumor cell lines.

The AN-V2 monoclonal antibody recognizes the type II (beta) OSM receptor.

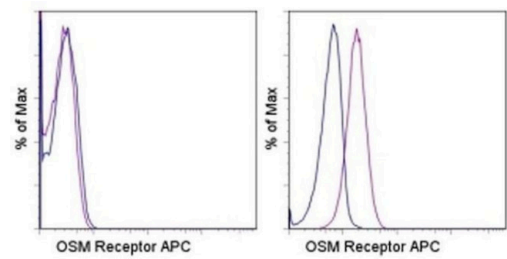
Applications Reported: This AN-V2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This AN-V2 antibody has been pre-titrated and tested by flow cytometric analysis of the A375 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 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For OSMR Monoclonal Antibody (AN-V2), APC, eBioscience™



OSMR Antibody (17-1303-42) in Flow
Staining of Jurkat (left) and A375 (right) cell lines with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human Oncostatin M Receptor APC (purple histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Proceedings of the National Academy of Sciences of the United States of America	Year 2017
Functional proteogenomics reveals biomarkers and therapeutic targets in lymphomas.	Species Human
"17-1303 was used in Flow cytometry/Cell sorting to highlight the utility of functional proteogenomic approaches for discovery of cancer biomarkers and therapeutic targets."	
Authors: Rolland DCM,Basrur V,Jeon YK,McNeil-Schwalm C,Fermin D,Conlon KP,Zhou Y,Ng SY,Tsou CC,Brown NA, Thomas DG,Bailey NG,Omenn GS,Nesvizhskii AI,Root DE,Weinstock DM,Faryabi RB,Lim MS,Elenitoba-Johnson KSJ	

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