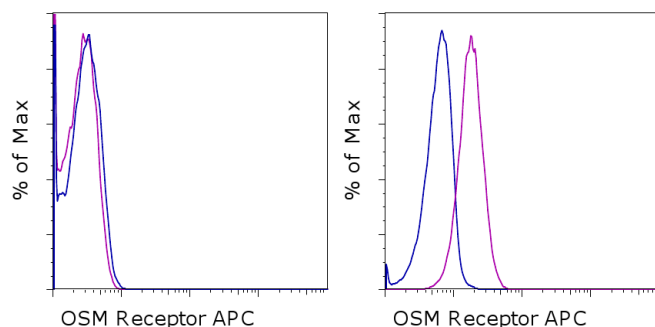


## Anti-Human Oncostatin M Receptor APC

**Catalog Number:** 17-1303

**Also known as:** OSMR

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of Jurkat (left) and A375 (right) cell lines with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human Oncostatin M Receptor APC (purple histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human Oncostatin M Receptor APC

 **Catalog Number:** 17-1303

**Clone:** AN-V2

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1

**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



 **LOT**



### 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  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Diveu C, Venereau E, Froger J, Ravon E, Grimaud L, Rousseau F, Chevalier S, Gascan H. Molecular and functional characterization of a soluble form of oncostatin M/interleukin-31 shared receptor. J Biol Chem. 2006 Dec 1;281(48):36673-82. (**AN-V2**, FC, Pubmed)

Gómez-Lechón MJ. Oncostatin M: signal transduction and biological activity. Life Sci. 1999;65(20):2019-30.

### Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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