

PE anti-human OSMR Antibody

Catalog# / Size	321810 / 25 tests 321811 / 100 tests
Clone	S22005D
Regulatory Status	RUO
Other Names	IL-31 receptor subunit beta, oncostatin-M specific receptor beta subunit.
Isotype	Mouse IgG1, κ
Description	Oncostatin M receptor (OSMR), also known as IL-31 receptor subunit beta, is a member of the IL-6 receptor family. It is expressed in bone marrow, endothelium, liver, lung and skin tissues. OSMR forms the type II OSM receptor complex when paired with interleukin 6 signal transducer (gp130) and forms the IL-31 receptor when complexed with interleukin 31 receptor A (IL31RA). The binding of OSM to either of these receptors triggers activation of the JAK-STAT signaling pathway.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant human OSMR protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clone S22005D does not affect the binding of clone S22005H on target cells.

Antigen Details

Structure	Transmembrane immunoglobulin-like glycoprotein, 130 kD
Distribution	Hepatocytes, mesothelial cells, glial cells and epithelial cells
Function	Ligand binding, signal transduction

Interaction	gp130, IL-31RA
Ligand/Receptor	IL-31, OSM
Cell Type	Epithelial cells, Macrophages, Mesenchymal cells, Monocytes
Biology Area	Immunology
Molecular Family	Cytokine/Chemokine Receptors

Antigen References

1. Mosley B, *et al.* 1996. *J Biol Chem.* 271:32635.
2. Auguste P, *et al.* 1997. *J Biol Chem.* 272:15760.
3. Hermanns HM, *et al.* 1999. *J. Immunol.* 163:6651.

Gene ID [9180](#)

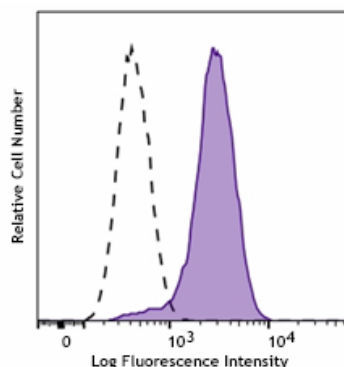
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human OSMR, PE anti-human OSMR

Product Data



U-87 MG cells (human glioblastoma cell line) were stained with anti-human OSMR (clone S22005D) PE (filled histogram) or mouse IgG1, κ PE isotype control (open histogram).

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