

PE anti-human OSMR Antibody

Catalog# / Size	377107 / 25 tests 377108 / 100 tests
Clone	S22005H
Regulatory Status	RUO
Other Names	IL-31 receptor subunit beta, oncostatin-M specific receptor beta subunit
Isotype	Mouse IgG2a, 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 S22005H does not affect the binding of clone S22005D 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
Antigen References	1. Mosley B, <i>et al.</i> 1996. <i>J Biol Chem.</i> 271:32635. 2. Auguste P, <i>et al.</i> 1997. <i>J Biol Chem.</i> 272:15760. 3. Hermanns HM, <i>et al.</i> 1999. <i>J. Immunol.</i> 163:6651.
Gene ID	9180

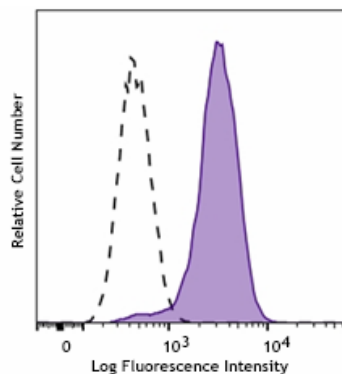
Related Protocols

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

Other Formats

PE anti-human OSMR

Product Data



U-87 MG cells (human glioblastoma cell line) were stained with anti-human OSMR (clone S22005H) PE (filled histogram) or mouse IgG2a, κ PE isotype control (open histogram).

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587