Mouse OSMR beta Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF662X
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse OSM Rβ in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse OSM Rβ Glu24-Leu738 Accession # O70458
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Oncostatin M (OSM) is a member of the IL-6 family of cytokines that share the gp130 as a common signal transducing receptor subunit. Human OSM signals through two types of human OSM receptor complexes: the type I complex comprising the leukemia inhibitory factor receptor beta (LIF Rβ) and gp130, the type II complex made up of OSM receptor beta (OSM Rβ) and gp130. In contrast, mouse OSM signals only through the mouse OSM Rβ and gp130 complex. Mouse OSM Rβ cDNA encodes a 971 amino acid (aa) residue type I transmembrane protein which contains a 23 aa residue signal peptide, an extracellular domain of 714 aa, a transmembrane domain of 20 aa and a 214 aa cytoplasmic domain. Mouse OSM Rβ alone binds mOSM with low-affinity, but forms a high-affinity binding complex in the presence of gp130. Mouse OSM Rβ is 55% identical at the amino acid sequence level to human OSM Rβ.

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