



Human Oncostatin M (DAG349)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	OSM is a pleiotropic cytokine that belongs to the interleukin 6 group of cytokines. Of these cytokines it most closely resembles leukemia inhibitory factor (LIF) in both structure and function. However, it is as yet poorly defined and is proving important in liver development, haematopoiesis, inflammation and possibly CNS development. It is also associated with bone formation and destruction.
Species	Human
Conjugate	Unconjugated
Applications	The ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is and 1.2 ng/ml, corresponding to a specific activity of and 5 x 10 ⁵ units/mg. Each laboratory should determine an optimum working titer for use in its part.
Format	Purified, Lyophilized. We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 2-8°C for up to one week or -20°C for future use.
Concentration	Not applicable
Buffer	Not applicable.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Growth regulator. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIFR
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and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST).

Keywords

OSM; oncostatin M; oncostatin-M;
