

**DESCRIPTION**

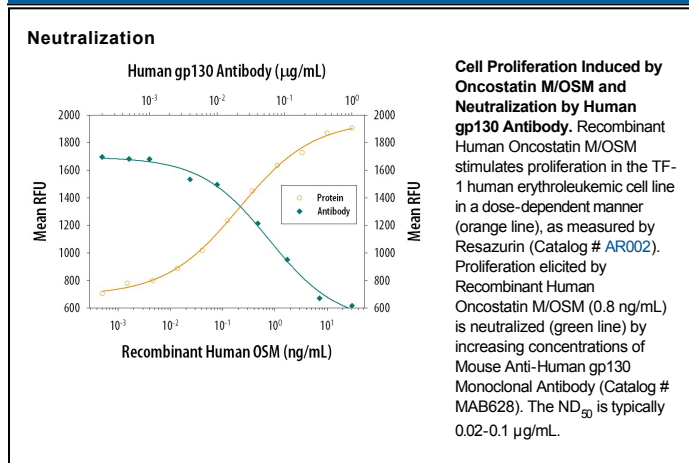
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human gp130 in ELISAs. In sandwich immunoassays, no significant cross-reactivity or interference with recombinant human (rh) CNTF, rhIL-6, rhIL-6 R, recombinant mouse (rm) IL-6, rhIL-11, rhLIF, rhLIF R, rmlLIF, or rhOSM is observed. This antibody blocks the human gp130-mediated bioactivities induced by IL-6, IL-11, LIF, OSM, and CNTF.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 28105
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	Sf 21-derived recombinant human gp130 extracellular domain Leu24-Glu619 (Glu619-Asp, predicted) Accession # P40189
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

**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.

<b>Human gp130 Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 µg/mL	Human gp130 Antibody (Catalog # MAB628)
<b>ELISA Detection</b>	0.1-0.4 µg/mL	Human gp130 Biotinylated Antibody (Catalog # BAF228)
<b>Standard</b>		Recombinant Human gp130 (Catalog # 228-GP)
<b>Neutralization</b>	Measured by its ability to neutralize Oncostatin M/OSM-induced proliferation in the TF-1 human erythroleukemic cell line. Kitamura, T. <i>et al.</i> (1989) <i>J. Cell Physiol.</i> <b>140</b> :323. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.02-0.1 µg/mL in the presence of 0.8 ng/mL Recombinant Human Oncostatin M/OSM.	

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

gp130, also known as CD130, belongs to the class I cytokine receptor family. It functions as a signal transducing receptor component in the receptor complexes of the IL-6 family of cytokines including IL-6, IL-11, LIF, OSM, CNTF and CT-1.