

Anti-Human IL-6 Antibody (SIL_bio, Research Grade)(Cat.No.:NC326)

Source:	Human Cells
Description:	Human IL-6 Antibody (Siltuximab, Research Grade) is a human monoclonal antibody human IgG1 and is produced by our Mammalian expression system.
Isotype:	Human IgG1
Predicted Mol Mass:	49.3&23.1 KDa
Endotoxin:	< 1 EU/μg as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Histidine, 8% Sucrose, 0.06% Tween80, pH5.0.
Shipping:	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage:	Store at ≤ -20°C, stable for 12 months after receipt. Please minimize freeze-thaw cycles.
Background:	Cytokines of the IL6/GCSF/MGF family are glycoproteins of about 170 to 180 amino acid residues that contain four conserved cysteine residues involved in two disulfide bonds. They have a compact, globular fold (similar to other interleukins), stabilized by the 2 disulfide bonds. One half of the structure is dominated by a 4 alpha-helix bundle with a left-handed twist; the helices are anti-parallel, with 2 overhand connections, which fall into a 2-stranded anti-parallel beta-sheet. The fourth alpha helix is important to the biological activity of the molecule. Interleukin-6 (IL-6) is an important proinflammatory and immunoregulatory cytokine expressed by various cells. Interleukin-6 has been shown to inhibit the growth of early stage and to promote the proliferation of advanced stage melanoma cells in vitro.

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For Research or Manufacturing Use Only

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