Product Datasheet

RecombinantIL-6,Rat(HEK293-expressed) (orb1494636)

Description	Interleukin-6 (IL-6) is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, Interleukin-6 (IL-6) has diverse biological functions. It stimulates B-cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. Interleukin-6 (IL-6) signals through the IL-6 receptor system that consists of two chains, IL-6R alpha and gp130.
Endotoxins	< 0.2 EU/µg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Rat Interleukin-6(IL-6) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, it should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 µg/ml.
Protein Sequence	FPTSQVRRGDFTEDTTHNRPVYTTSQVGGLITYVLREILEMRKELCNGNSDCMNSDDALSE NNLKLPEIQRNDGCFQTGY NQEICLLKICSGLLEFRFYLEFVKNNLQDNKKDKARVIQSNTETLVHIFKQEIKDSYKIVLPTPT SNALLMEKLESQKEW LRTKTIQLILKALEEFLKVTMRSTRQT
Purity	> 95% as analyzed by SDS-PAGE.
Source	HEK 293
MW	21~26 kDa , observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.