

IL6R

Mouse Anti-Human IL-6R (Clone B-R6) Biotin Detection mAb

Catalog No.	CDM419	Quantity:	100 µg
Alternate Names:	IL6R, CD126, IL-6R-1, IL-6R-alpha, IL6RA, gp80		
Description:	The monoclonal antibody recognizes human IL-6 receptor alpha. Background: IL-6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL-6 receptor is a protein complex consisting of this protein and IL-6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL-6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.		
Gene ID:	3570		
Concentration:	0.1 mg / 1.0 ml		
Conjugate:	Biotin		
Specificity:	Recognizes soluble and membrane bound IL-6 Receptor alpha subunit, a 80 kDa protein		
Host:	Mouse		
Isotype:	IgG1		
Immunogen:	gp80-transfected CHO cell line		
Clone:	B-R6		
Formulation:	Liquid in PBS. With 1% BSA and 0.09% Sodium Azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Ion exchange chromatography		
Applications:	ELISA		
Application Notes:	This antibody can be used as a detection antibody in a human IL-6R sandwich immunoassay to detect human IL-6R in combination with human IL-6R Capture Antibody (Cat No CDM395). The suggested coating concentration range below should be optimized by each laboratory for each application. ELISA: 0.05-0.5 µg/ml		
Storage & Stability:	Stable for 1 year at 2-8°C. For longer storage freeze in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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