



Mouse (monoclonal) Anti-Human Interleukin-6 Receptor (gp80)

PRODUCT ANALYSIS SHEET

Catalog Number:	AHR0061
Lot Number:	See product label
Clone:	B-R6
Quantity/Volume	100 µg/100 µL
Form of the Antibody:	Purified immunoglobulin in phosphate buffered saline. Carrier-free and preservative-free. Treated to remove endotoxins. This product is supplied sterile-filtered.
Purification:	Purified by ion exchange chromatography.
Myeloma/Fusion Partner:	BALB/c (IFFa Credo)/x63/AG.8653
Immunogen:	CHO cells transfected with cDNA corresponding to the gp80 IL-6 receptor gene.
Immunoglobulin Class:	IgG1 kappa
Specificity:	This antibody specifically recognizes soluble and membrane bound human IL-6 receptor gp80, a glycoprotein with $M_r=80$ kDa which is also known as CD126. This antibody binds to the IL-6 receptor in the presence of IL-6.
KD:	1.22 nM
Applications:	This antibody is suitable for use in flow cytometry, in neutralization studies, and in ELISA as a detection antibody (use with antibody from clone B-N12 [catalog number AHR0961] as the capture antibody). For flow cytometry, use approximately 0.2 µg to label up to 10^6 cells. For neutralization, use 5 ng to neutralize 50% of the activity of 1 Unit of human IL-6 in an XG-1 cell proliferation assay. The optimal antibody concentration should be determined for each specific application.
Dilutions:	Further dilutions should be made in appropriate assay medium or PBS with 1.0-0.1% BSA.
Storage:	Store at $\leq -20^\circ\text{C}$. Upon initial thawing, apportion antibody into working aliquots and store at $\leq -20^\circ\text{C}$. Avoid repeated freeze/thaw cycles.

This product is for research use only. Not for use in diagnostic procedures.

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PI AHR0061

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Expiration Date: Expires one year from date of receipt when stored as instructed.

References:

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Hayashida, K. et al. (1990) Molecular cloning of a second subunit of the receptor for human granulocyte-macrophage colony stimulating factor (GM-CSF): Reconstitution of a high-affinity GM-CSF receptor. *Proc. Nat'l. Acad. Sci. USA* 87:9655-9659.

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Jelinek, D.F. et al. (1997) Differential human multiple myeloma cell line responsiveness to interferon-alpha. Analysis of transcription factor activation and interleukin 6 receptor expression. *J. Clin. Invest.* 99(3):447-456.

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