

Mouse CD126 Monoclonal Antibody | anti-CD126 antibody

MOUSE ANTI HUMAN CD126 (IL-6R)

CATALOG #	HOST	APPLICATIONS
AAA49445	Mouse	Immunofluorescence, Immunoprecipitation, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD126; Monoclonal Antibody; MOUSE ANTI HUMAN CD126 (IL-6R); anti-CD126 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	B-R6
Specificity	Mouse anti Human CD126 antibody, clone B-R6 recognizes human Interleukin-6 receptor subunit alpha, also known as CD126, IL-6R or Membrane glycoprotein 80. Human CD126 is a 468 amino acid single pass type I transmembrane glycoprotein bearing a single Ig-like C2 type domain, two fibronectin type III domains and a single WSXWS motif which may be involved in receptor activation (Daqil et al. 2012). Mouse anti Human CD126 antibody, clone B-R6 inhibits IL-6 mediated proliferation of XG-1 cells (Lu et al. 1995) and partially blocks binding of IL-6 to its receptor (Fourcin et al. 1994), clone B-R6 recognizes both the soluble and membranous human CD126 Removal of sodium azide is recommended prior to use in functional assays.
Form/Format	Purified IgG - liquid; Phosphate buffered saline
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	468
Applicable Applications for anti-CD126 antibody	IF (Immunofluorescence), IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on protein A from tissue culture supernatant
Immunogen	CHO cells transfected with cDNA of the IL-6 receptor.
Target Species	Human
Fusion Partners	Spleen cells from immunized BALB/c (Iffa Credo) mice were fused with the X63/Ag. 8653 mouse myeloma cell line.
Preparation and Storage	It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD126 antibody	Mouse anti Human CD126 antibody, clone B-R6 recognizes human Interleukin-6 receptor subunit alpha, also known as CD126, IL-6R or Membrane glycoprotein 80. Human CD126 is a 468 amino acid single pass type I transmembrane glycoprotein bearing a single Ig-like C2 type domain, two fibronectin type III domains and a single WSXWS motif which may be involved in receptor activation (Daqil et al. 2012). Mouse anti Human CD126 antibody, clone B-R6 inhibits IL-6 mediated proliferation of XG-1 cells (Lu et al. 1995) and partially blocks binding of IL-6 to its receptor (Fourcin et al. 1994), clone B-R6 recognizes both the soluble and membranous human CD126 Removal of Sodium azide is recommended prior to use in functional assays. AAA Biotech recommend the use of EQU003 for this purpose.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504673
NCBI GeneID	3570
NCBI Accession #	NP_000556.1
NCBI GenBank Nucleotide #	NM_000565.3
UniProt Accession #	P08887; Q16202; Q53EQ7; Q5FWG2; Q5VZ23; A8KAE8; B2R6V4
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
NCBI Protein Information	interleukin-6 receptor subunit alpha; CD126 antigen; IL-6 receptor subunit alpha; IL-6R 1; membrane glycoprotein 80
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	IL6R
UniProt Synonym Gene Names	IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; gp80
UniProt Entry Name	IL6RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.