

Rabbit anti-Mouse IL-6R Monoclonal Antibody | anti-IL6R antibody

Recombinant Anti-IL-6R Antibody (PE), Rabbit Monoclonal

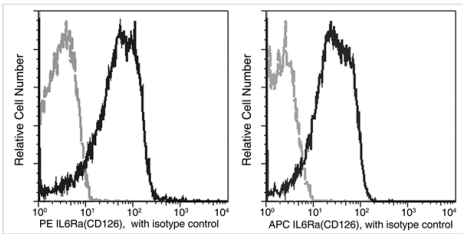
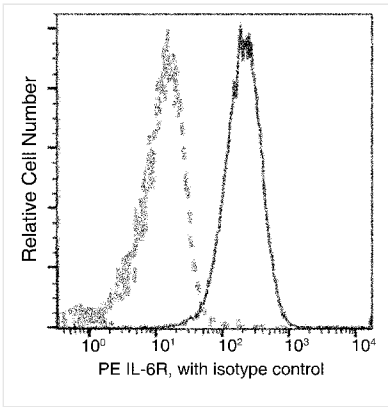
CATALOG # AAA257126	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

IL-6R; Monoclonal Antibody; Recombinant Anti-IL-6R Antibody (PE); Rabbit Monoclonal; IL-6R/CD126 Antibody (PE); Rabbit MAb; interleukin 6 receptor; Anti-CD126 Antibody; Anti-IL-6R Antibody; Anti-IL6r Antibody; Anti-MGC30256 Antibody; anti-IL6R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	033
Specificity	Mouse IL-6R/CD126
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-IL6R antibody	FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse IL-6R/CD126 protein
Conjugation	PE
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IL-6R/CD126 (rM IL-6R/CD126) and conjugated with PE under optimum conditions, the unreacted PE was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



Application Data
Profile of anti-IL6Ra/CD126 reactivity on mouse splenocytes analyzed by flow cytometry.

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Mouse IL-6R expression on BABL/c splenocytes. Cells were stained with PE-conjugated anti-Human Mouse IL-6R. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-IL6R antibody	Interleukin 6 receptor (IL-6R) also known as CD126 (Cluster of Differentiation 126) is a type I cytokine receptor. The low concentration of a soluble form of IL-6 receptor (sIL-6R) acts as an agonist of IL-6 activity. In the IL-6R/CD126/IL6R system, both a membrane-bound IL-6R and a sIL-6R protein can mediate IL-6 signals into the cells through the interaction of gp130. The resulting IL-6/sIL-6R protein complex is also capable of binding to gp130 and inducing intracellular signaling. Through this so-called 'trans-signaling' mechanism, IL-6 can stimulate cells that lack an endogenous mIL-6R. High levels of IL-6 and sIL-6R have been reported in several chronic inflammatory and autoimmune diseases as well as in cancer.
Product Categories/Family for anti-IL6R antibody	Neuroinflammation; AKT Signaling Pathway
References	Barill S, et al. (2000) The role of interleukin-6 and interleukin-6/interleukin-6 receptor-alpha complex in the pathogenesis of multiple myeloma. Eur Cytokine Netw. 11(4): 546-51. Kang KW, et al. (2007) Novel role of IL-6/sIL-6R signaling in the expression of inducible nitric oxide synthase (iNOS) in murine B16, metastatic melanoma clone F10.9, cells. Free Radic Biol Med. 42(2): 215-27.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110431356
NCBI GeneID	16194
NCBI Accession #	NP_034689.2
NCBI GenBank Nucleotide #	NM_010559.3
UniProt Accession #	P22272
Molecular Weight	50,455 Da
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor, alpha
NCBI Official Symbol	Il6ra
NCBI Official Synonym Symbols	Il6r; CD126; IL-6R; IL-6RA; IL-6R-alpha
NCBI Protein Information	interleukin-6 receptor subunit alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	Il6ra

UniProt Synonym Gene Names	Il6r; IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA
UniProt Entry Name	IL6RA_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/il-6r-antibody-clone-033-flow-cytometry-elisa/257126>