

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

Recombinant Anti-IL-6R Antibody, Rabbit Monoclonal

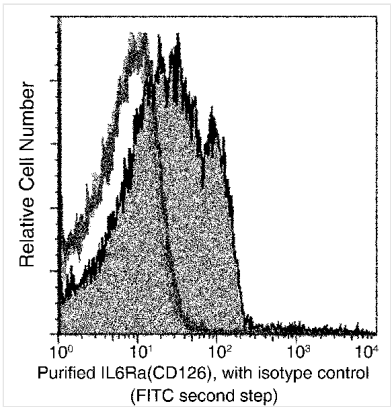
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257124	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

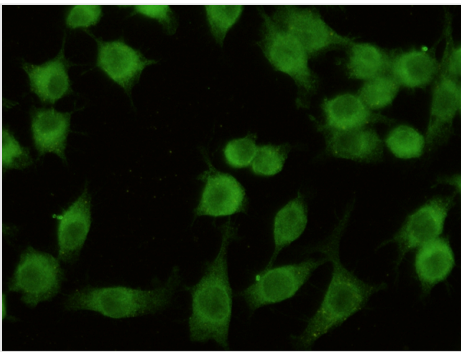
IL-6R; Monoclonal Antibody; Recombinant Anti-IL-6R Antibody; Rabbit Monoclonal; IL-6R/CD126 Antibody; Rabbit MAb; interleukin 6 receptor; Anti-CD126 Antibody; Anti-IL-6R Antibody; Anti-IL6r Antibody; Anti-MGC30256 Antibody; anti-IL6R antibody

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; 0.2um filtered solution in PBS
Applicable Applications for anti-IL6R antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse IL-6R/CD126 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IL-6R/CD126 (rM IL-6R/CD126).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Mouse IL6Ra(CD126) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse IL6Ra(CD126), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)
Immunofluorescence staining of Mouse IL6Ra in Mouse Spleen cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse IL6Ra monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasmic and cell membrane.

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-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257124>