

Biotin Anti-IL-6 antibody ab84251

Overview

Product name	Biotin Anti-IL-6 antibody
Description	Biotin Rabbit polyclonal to IL-6
Host species	Rabbit
Conjugation	Biotin
Tested applications	Suitable for: WB, Sandwich ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human IL-6.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Centrifuge vial prior to opening. Reconstitute in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Purification notes	ab84251 was purified by affinity chromatography and then biotinylated.Filter sterilised.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab84251 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. To detect hIL-6 by sandwich ELISA (using 100 Åµl/well antibody solution) a concentration of 0.25 – 1.0 Åµg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with Mouse monoclonal to IL6 (ab9324) as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant hIL-6.

Target

Function	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.
Involvement in disease	Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis. Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.
Sequence similarities	Belongs to the IL-6 superfamily.
Post-translational modifications	N- and O-glycosylated.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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