

Product datasheet

Human/Monkey IL-6 Antibody Pair - BSA and Azide free ab243973

Recombinant RabMAb

[3 Images](#)

Overview

Product name Human/Monkey IL-6 Antibody Pair - BSA and Azide free

Assay type ELISA set

Range 7.8 pg/ml - 500 pg/ml

Species reactivity **Reacts with:** Human, Cynomolgus monkey, Rhesus monkey

Product overview The Antibody Pair can be used to quantify Human/Monkey IL-6. BSA and Azide free antibody pairs include unconjugated capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.

For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit ([ab178013](#)), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody pair in your assay.

Tested applications **Suitable for:** Sandwich ELISA

Platform Reagents

Properties

Storage instructions Store at +4°C. Please refer to protocols.

Carrier free Yes

Components	10 x 96 tests
Human/Monkey IL-6 Capture Antibody (unconjugated)	1 x 100µg
Human/Monkey IL-6 Detector Antibody (unconjugated)	1 x 100µg

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.

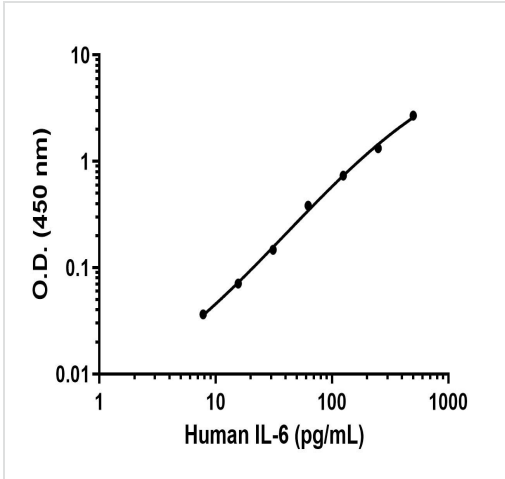
Cellular localization Secreted.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab243973 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
Sandwich ELISA		Use at an assay dependent concentration.





Images



Sandwich ELISA - Recombinant human IL-6 protein standard curve

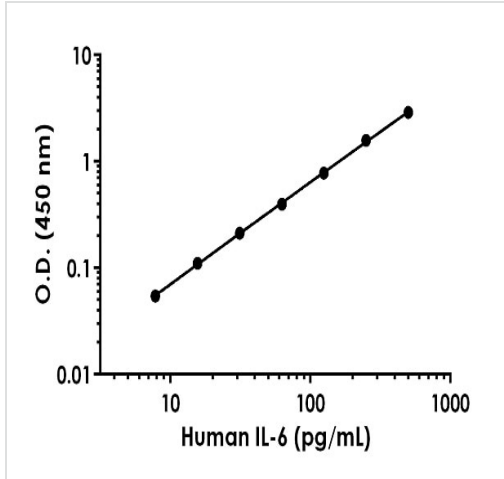
Background subtracted standard curve using Human IL-6 Antibody Pair - BSA and Azide free (ab243973) and Recombinant human IL-6 protein (Active) ([ab259381](#)) in sandwich ELISA. The ELISA was performed using the components of the corresponding SimpleStep® kit, which uses the same antibody pair with a different formulation and format.

Powered by recombinant antibodies

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Sandwich ELISA - Human/Monkey IL-6 Antibody Pair - BSA and Azide free (ab243973)

To learn more about the advantages of recombinant antibodies see [here](#).



Representative Human IL-6 standard curve using sandwich ELISA method

Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab178013](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.

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