

Product datasheet

Anti-IL6 antibody [MP5-32C11] ab7376

Overview

Product name	Anti-IL6 antibody [MP5-32C11]
Description	Rat monoclonal [MP5-32C11] to IL6
Host species	Rat
Specificity	Specifically neutralises mouse IL-6.
Tested applications	Suitable for: IHC-Fr, Neutralising
Species reactivity	Reacts with: Mouse Does not react with: Rat, Human

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.60 Constituent: PBS
Purity	IgG fraction
Clonality	Monoclonal
Clone number	MP5-32C11
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab7376** 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
IHC-Fr		
Neutralising		

Application notes

Neutralisation of mouse IL-6
This antibody is useful in immunochemical investigations of murine IL-6 in structural studies and for quantitative/qualitative immunochemical detection methods.

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.

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