

Product datasheet

Anti-IL-4 antibody [QS-4] ab25114

Overview

Product name	Anti-IL-4 antibody [QS-4]
Description	Mouse monoclonal [QS-4] to IL-4
Host species	Mouse
Specificity	ab25114 recognises both natural and recombinant IL-4 in vitro.
Tested applications	Suitable for: ELISA, ELISpot, Neutralising
Species reactivity	Reacts with: Monkey
Immunogen	Full length native protein, monkey (purified)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: PBS, 4.275% Trehalose
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	QS-4
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab25114** 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
ELISA		
ELISpot		
Neutralising		

Application notes	<p>ELISA: Use at an assay dependent dilution.</p> <p>ELISPOT: Use at an assay dependent dilution.</p> <p>Neut: Use at an assay dependent dilution; inhibits natural IL4 induced IgE production and inhibits recombinant IL4 induced T cells proliferation.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>
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Target

Function	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.
Involvement in disease	Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
Sequence similarities	Belongs to the IL-4/IL-13 family.
Cellular localization	Secreted.

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