

Product datasheet

Anti-IL-7 antibody [7417.111] ab10765

Overview

Product name	Anti-IL-7 antibody [7417.111]
Description	Mouse monoclonal [7417.111] to IL-7
Host species	Mouse
Tested applications	Suitable for: Neutralising, ELISA, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein (Human).
Positive control	<div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"> Purchase matching WB positive control: Recombinant human IL7 protein > </div>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	7417.111
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab10765** 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
Neutralising		
ELISA		

Application	Abreviews	Notes
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WB

Application notes

ELISA: Use at a concentration of 1 - 2 µg/ml.
 Neut: Use at an assay dependent dilution.
 WB: Use at a concentration of 1 - 2 µg/ml. Predicted molecular weight: 17 kDa.

The exact concentration of antibody required to neutralize recombinant human IL7 activity is dependent on the cytokine concentration, cell type, growth conditions and the type of activity. The detection limit in immunoblotting for recombinant human IL7 is approximately 25 ng/lane and 300 ng/lane under nonreducing and reducing conditions, respectively. A working concentration of the capture antibody at 1-2 µg/ml (100µl/well) in combination with a biotinylated polyclonal detection antibody at 25-50 ng/ml (100µl/well) is recommended to detect human interleukin 7.

Not tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation.

Sequence similarities

Belongs to the IL-7/IL-9 family.

Cellular localization

Secreted.

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