



Product datasheet

Anti-IL-12 antibody ab9992

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Overview

Product name	Anti-IL-12 antibody
Description	Goat polyclonal to IL-12
Host species	Goat
Tested applications	Suitable for: ELISA, IHC-P, Sandwich ELISA, Neutralising, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human IL-12. p35: P29459 p40: P29460  Run BLAST with ExPASy  Run BLAST with NCBI
Positive control	WB: Recombinant human IL-12 p40 protein (ab9993).
General notes	<p>Although some customers have been successful in IHC we no longer batch test in this application.</p> <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:Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40
	No preservative, sterile filtered
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	unknown
Light chain type	unknown

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab9992 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		Use at an assay dependent concentration. To detect hIL-12 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-12.
IHC-P		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. To detect hIL-12 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ab83448 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-12.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hIL-12 (0.3 ng/ml), a concentration of 0.012 - 0.02 µg/ml of this antibody is required.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 25 kDa. To detect hIL-12 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-12 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Target

Function

Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC.

Sequence similarities

Belongs to the IL-6 superfamily.

Cellular localization

Secreted.

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

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