

## Product datasheet

# Anti-IL-34 antibody [1D12] ab101443

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### Overview

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<b>Product name</b>	Anti-IL-34 antibody [1D12]
<b>Description</b>	Mouse monoclonal [1D12] to IL-34
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human IL-34 aa 21-242.
<b>Positive control</b>	IL-34-hlgGFc transfected HEK293 cell lysate; U251 cells; K562 cells
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1D12
<b>Isotype</b>	IgG1

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab101443 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
WB		1/500 - 1/2000. Predicted molecular weight: 27 kDa.
ICC/IF		1/200 - 1/1000.
Flow Cyt		1/200. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

### Function

Cytokine that promotes the differentiation and viability of monocytes and macrophages. Stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1. Ligand for colony-stimulating factor-1 receptor CSF1R.

### Tissue specificity

Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen. Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.

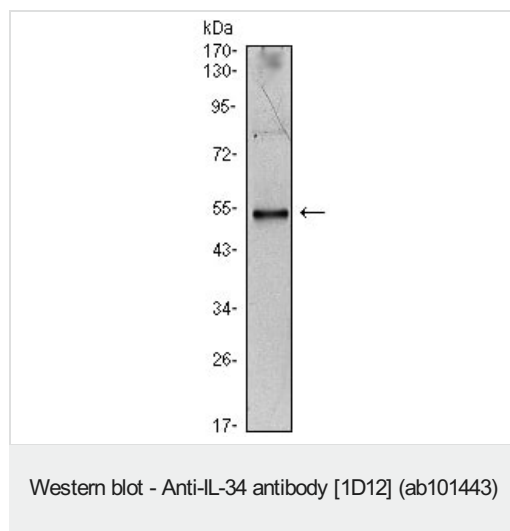
### Sequence similarities

Belongs to the IL-34 family.

### Cellular localization

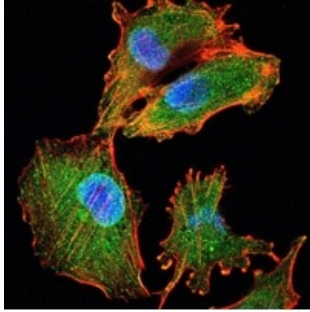
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## Images



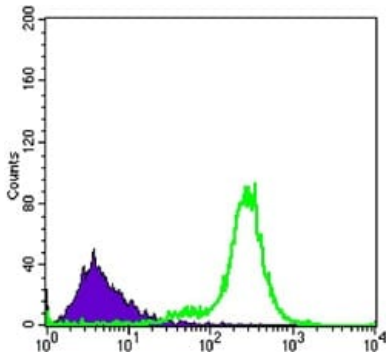
Anti-IL-34 antibody [1D12] (ab101443) at 1/500 dilution + IL-34-hlgFc transfected HEK293 cell lysate

**Predicted band size: 27 kDa**



Immunocytochemistry/ Immunofluorescence - Anti-IL-34 antibody [1D12] (ab101443)

ab101443, at 1/200 dilution, staining IL-34 in U251 cells by Immunofluorescence analysis (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry - Anti-IL-34 antibody [1D12] (ab101443)

ab101443 staining IL-34 in K562 cells (green) at 1/200 by Flow cytometry. Negative control (purple).

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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