

## Datasheet for ABIN2666711

### IL-34 Protein



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#### Overview

Quantity:	10 µg
Target:	IL-34 (IL34)
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Application:	Flow Cytometry (FACS)

#### Product Details

Sterility:	0.22 µm filtered
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#### Target Details

Target:	IL-34 (IL34)
Alternative Name:	IL-34 ( <a href="#">IL34 Products</a> )
Background:	<p>Human IL-34 shares a sequence identity of 99.6 % , 72 % and 71 % with chimpanzee, rat, and mouse IL-34, respectively, on the amino acid level. The IL-34 gene is syntenic in the human, chimpanzee, rat, and mouse genomes. IL-34 has no apparent consensus structural domain or motif, and does not share sequence homology with M-CSF, nevertheless, it binds to the CSFR. These two cytokines are not identical in biological activity and signal activation. IL-34 and CSF show an equivalent ability to support cell growth or survival. However, these cytokines have differing ability to induce the production of chemokines (MCP-1 and eotaxin-2) in primary macrophages, the morphological change in TF-1-fms cells, and the migration of J774A.1 cells. The use of monoclonal antibodies against the CSFR suggests a differential domain binding in</p>

## Target Details

the receptor to IL-34 and CSF and, as a result, different bioactivities and signal activation kinetics/strength are produced for these cytokines.

Pathways: [RTK Signaling](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Reconstitution: For maximum results, quick spin vial prior to opening. The protein can be aliquoted and stored from -20 °C to -70 °C. Stock solutions can also be prepared at 50-100 µg/mL in sterile buffer (PBS, HPBS, DPBS, or EBSS) containing carrier protein such as 0.2-1 % BSA or HSA and stored in working aliquots at -20 °C to -70 °C.

Buffer: 0.22 µm filtered protein solution is in 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 0.5 M NaCl, pH 7.4.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Unopened vial can be stored between 2°C and 8°C for one month, at -20°C for six months, or at -70°C for one year.