

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IL-34 in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant mouse IL-34 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 578401
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human IL-34 Asn21-Pro242 Accession # NP_689669
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Human IL-34 Sandwich Immunoassay		Reagent
<b>ELISA Capture</b>	2-8 µg/mL	Human IL-34 Antibody (Catalog # <a href="#">MAB52651</a> )
<b>ELISA Detection</b>	0.5-2.0 µg/mL	Human IL-34 Biotinylated Antibody (Catalog # <a href="#">BAM52652</a> )
<b>Standard</b>		Recombinant Human IL-34 (Catalog # <a href="#">5265-IL</a> )

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Interleukin 34 (IL-34) is secreted as a homodimer consisting of 39 kDa monomers. It belongs to no known cytokine family. The mature chain contains one potential site for N-linked glycosylation. IL-34 is widely expressed, but it is most abundant in the spleen. The receptor for IL-34 is colony-stimulating factor 1 receptor (CSF-1R). Functionally, IL-34 stimulates monocyte viability.