

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-34 in sandwich immunoassays. In this format, no cross-reactivity with recombinant mouse IL-34 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 578410
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-34 Asn21-Pro242 Accession # Q6ZMJ4
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
ELISA Capture	2-8 µg/mL	Human IL-34 Antibody (Catalog # MAB52651)
ELISA Detection	0.5-2.0 µg/mL	Human IL-34 Biotinylated Antibody (Catalog # BAM52652)
Standard		Recombinant Human IL-34 (Catalog # 5265-IL)

PREPARATION AND STORAGE

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

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.