

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
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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