

Datasheet for ABIN6963916
anti-IL-21 antibody (Biotin)

4 Publications

[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	IL-21 (IL21)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-21 antibody is conjugated to Biotin
Application:	ELISA, ELISpot

Product Details

Immunogen:	Recombinant human IL-21
Clone:	MT21-3m
Isotype:	IgG1
Specificity:	Native and recombinant human IL-21
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with IL-21 from non-human primates. See the Human/NHP cross-reactivity table.
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL21 (IL21 Products)

Target Details

Gene ID: 59067

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: For quantification of IL-21 in solution e.g. cell culture supernatants using ELISA and for enumeration of IL-21 producing cells using ELISpot. MT21.3m is recommended as detection mAb in combination with coating mAb MT216G . The antibody is also suitable for Western blot.

Comment: Biotinylated through reaction with a N-hydroxysuccinimide ester of biotin.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: supplied at 0.5 mg/mL in PBS with 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/ thawing.

Expiry Date: 18 months

Publications

Product cited in: Yamamoto, Kitawaki, Sugimoto, Fujita, Kawase, Takaori-Kondo, Kadowaki: "Anti-inflammatory modulation of human myeloid-derived dendritic cell subsets by lenalidomide." in: **Immunology letters**, Vol. 211, pp. 41-48, (2020) ([PubMed](#)).

Amu, Lantto Graham, Bekele, Nasi, Bengtsson, Rethi, Sorial, Meini, Zazzi, Hejdeman, Chiodi: " Dysfunctional phenotypes of CD4+ and CD8+ T cells are comparable in patients initiating ART during early or chronic HIV-1 infection." in: **Medicine**, Vol. 95, Issue 23, pp. e3738, (2017) ([PubMed](#)).

Li, Sullivan, Roupheal, Yu, Banton, Maddur, McCausland, Chiu, Canniff, Dubey, Liu, Tran, Hagan, Duraisingham, Wieland, Mehta, Whitaker, Subramaniam, Jones, Sette, Vora, Weinberg, Mulligan, Nakaya et al.: "Metabolic Phenotypes of Response to Vaccination in Humans. ..." in: **Cell**, Vol. 169, Issue 5, pp. 862-877.e17, (2017) ([PubMed](#)).

Huang, Ehrnfeldt, Paulie, Zuber, Ahlborg: "ELISpot and ELISA analyses of human IL-21-secreting cells: Impact of blocking IL-21 interaction with cellular receptors." in: **Journal of immunological methods**, Vol. 417, pp. 60-66, (2015) ([PubMed](#)).