Datasheet for ABIN6964032

anti-IL-21 antibody (Biotin)

5 Publications

Go to Product page

Overview

Quantity:	250 µg
Target:	IL-21 (IL21)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-21 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant human IL-21
Clone:	MT21-3m
Isotype:	IgG1
Specificity:	Native and recombinant human IL-21
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL21 (IL21 Products)
Gene ID:	59067
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of

Target Details

	Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	To retain detectable levels of IL-21 in cell culture supernatants, biotinylated mAb MT21.3m can be included during cell culture. The antibody will bind to secreted IL-21 thus preventing IL-21 from interacting with its receptor. In this way, IL-21 is kept in solution and can be quantified in ELISA. For this purpose, MT21.3m is free of preservatives. Please note that mAb MT21.3m is optimized for use with human IL-21 ELISA kits and anti-human IL-21 mAbs from Mabtech.
Comment:	Biotinylated through reaction with a N-hydroxysuccinimide ester of biotin.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	supplied at 0.5 mg/mL in PBS free of preservatives
Preservative:	Without preservative
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:	Laestadius, Ingelman-Sundberg, Myrberg, Verme, Sundberg, Schweiger, Saghafian-Hedengren, Nilsson: "Altered proportions of circulating CXCR5+ helper T cells do not dampen influenza vaccine responses in children with rheumatic disease." in: **Vaccine**, Vol. 37, Issue 28, pp. 3685-3693, (2020) (PubMed). 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). Lasaviciute, Björkander, Carvalho-Queiroz, Hed Myrberg, Nussbaum, Nilsson, Bemark, Nilsson, Sverremark-Ekström, Saghafian-Hedengren: "Epstein-Barr Virus, but Not Cytomegalovirus, Latency Accelerates the Decay of Childhood Measles and Rubella Vaccine Responses-A 10-

Year Follow-up of a Swedish Birth Cohort." in: **Frontiers in immunology**, Vol. 8, pp. 1865, (2017) (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).

Huang, Ehrnfelt, 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).