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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

Anti-Chronic lymphocytic leukemia [Lym-2] Bulk Size Ab03690-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: Lym-2

Alternative Name(s) of Target: CLL

UniProt Accession Number of Target Protein:

Published Application(s): in vitro, in vivo, therapeutic, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: The antibody was generated by immunizing BALB/c mice with chronic lymphocytic leukemia cell nuclei.

Specificity: The antibody recognises a cell surface protein expressed in normal and malignant B lymphocytes.

Application Notes: Live cells radioimmunoassay techniques showed that the antibody bound to cell lines of B-cell lineage. B-cell specificity of the antibody was confirmed by immunofluorescence. Flow cytometric analysis of lymphoma biopsies showed the majority of B-cell tumors were detected by the antibody. Immunoperoxidase staining of frozen sections of human lymphoid tissues showed that the antibody stained germinal center and mantle zone B-lymphocytes as well as interfollicular histiocytes (Epstein et al. 1987; PMID: 3542194). Surface expression of the antigen recognized by the original version of the antibody was confirmed by flow cytometry in RL and DB, human diffuse large-cell lymphoma lines; TU-2C and CHIM-62, EBV-induced human B-cell lymphoma cell lines; Raji and Daudi, human Burkitt's lymphoma cell lines; and Michel and Karpas 299, ALCL cell lines. The effects of the antibody and the human-mouse chimeric of the antibody (chCLL-1) on the growth of various human lymphomas by using both in vitro and in vivo assays was evaluated. Cell lines derived from Burkitt's lymphomas, diffuse large cell B-cell lymphomas, anaplastic large-cell lymphomas, and Epstein-Barr virus-induced B-cell lymphomas were incubated with the original version of the antibody or chCLL-1 in vitro. Both versions of the antibody were capable of directly inhibiting the growth of various lymphoma lines in vitro. These human lymphomas were transferred into mice with severe combined immunodeficiency to evaluate the efficacy of the antibodies in vivo. Both the antibodies were effective in improving the survival of the mice (Funakoshi et al., 1997; PMID: 9376598). Antibody CAR T-cells for immunotherapy were constructed, which are highly cytotoxic to human lymphoma Raji cells (US20160355590A1).

Antibody First Published in: Epstein et al. Two new monoclonal antibodies, Lym-1 and Lym-2, reactive with human B-lymphocytes and derived tumors, with immunodiagnostic and immunotherapeutic potential

Cancer Res. 1987 Feb 1;47(3):830-40. [PMID:3542194](#)

Note on publication: The paper describes the generation and characterization of the antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.