SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Chronic lymphocytic leukemia [Lym-2] Standard Size Ab03690-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, 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: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4^{0}C for up to 3 months. For longer storage, aliquot and store at -20^{0}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.