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

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

Anti-CD5 [H65] Bulk size M Ab04159-10.29-BS

This is a Fab fragment with His tag.

Isotype and Format: Human Fab fragment, His-Tagged, Kappa
Clone Number: H65
Alternative Name(s) of Target: LEU1; T-cell surface glycoprotein CD5; Lymphocyte antigen T1/Leu-1; Tp67 antigen
UniProt Accession Number of Target Protein: P06127
Published Application(s): therapeutic, FC
Published Species Reactivity: Human
Immunogen: The original antibody was generated by immunizing a BALB/c mice with human T cell line HSB-2, which was isolated from a patient with T cell acute lymphocytic leukemia.
Specificity: This antibody binds human CD5, which is a surface glycoprotein that act as a receptor in regulating T-cell proliferation. CD5 is a good immunohistochemical marker for T-cells.
Application Notes: This antibody was used for the generation of a ricin A chain anti-T lymphocyte immunotoxin (H65-RTA) and was examined for its ability to bind to lymphocytes, to inhibit protein synthesis in a cell free system, and to inhibit lymphocyte transformation without affecting hematopoietic progenitor cells as measured by the in vitro colony assays. It was reported that the immunotoxin was an effective agent against immunocompetent T lymphocytes in vitro and may be an effective agent for use in clinical bone marrow transplantation (PMID: 6609971). A safety and efficacy study of this lymphocyte-targeted immunotoxin was conducted in patients with severe acute steroid-resistant graft-versus-host disease (AGVHD) in a phase I-II dose escalation study with group expansion at the two middle doses. It was seen that under appropriate conditions, H65-RTA can produce up to a 98% depletion of T lymphocytes from human bone marrow without decreasing the number of committed hematopoietic progenitor cells. The results indicated that H65-RTA ia an immunosuppressive agent useful in treatment of T-cell mediated diseases (PMID: 2180494). This antibody can be used for the detection of CD5 expressed on the surface of T cells using flow cytometry. In a phase I trial in patients with cutaneous T-cell lymphoma, it was reported that H65-RTA can be safely administered in patients and the immunoconjugate can serve as an active drug in the treatment of cutaneous T-cell lymphoma (PMID: 1878584).
Antibody First Published in: Kernan et al. Specific inhibition of in vitro lymphocyte transformation by an anti-pan T cell (gp67) ricin A chain immunotoxin. J Immunol. 1984 Jul;133(1):137-46. PMID:6609971
Note on publication: Describes the generation of a ricin A toxin conjugated antibody immunotoxin and evaluates its ability to inhibit in vitro T lymphocyte transformation.

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Purified by Immobilized Metal Affinity Chromatography
Supplied In: PBS only.
Storage Recommendation: Store at 4^{o}C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
Concentration: See vial label

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