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Diagnostik & molekulare Diagnostik



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

Anti-CD3 [CA17.2A12] Standard Size Ab03988-23.0

Isotype and Format: Rabbit IgG, Kappa

Clone Number: CA17.2A12

Alternative Name(s) of Target: TCR/CD3; TCR-2; TCR- $\alpha\beta$; TCR-ab; TCR-alphabeta

UniProt Accession Number of Target Protein:

Published Application(s): activation, FC, IHC

Published Species Reactivity: Dog

Immunogen: The original antibody was generated by immunizing mice with the T cell receptor complex (TCR/CD3) isolated from canine thymocytes.

Specificity: This bispecific antibody is specific for canine TCR-2 (TCR- $\alpha\beta$) and CD3.

Application Notes: This antibody was used as an immune phenotype marker in flow cytometric (FC) analyses of peripheral blood lymphocytes (PBL) in dogs to identify T cells (specifically, CD3) (Helfand et al., 1995; PMID: 7605993). Later, it was used for immunophenotyping by FC to identify T-cell antigen CD3 in dogs with lymphocytosis (McDonough et al., 2000; PMID: 11105953) and as a T-lymphocyte marker in blood and bone marrow samples from dogs with hematologic disorders (Weiss, 2001; PMID: 11817066). It was also used in FC analysis of various cell populations, including peripheral blood and lymph nodes, to identify CD3⁺ T cells in a study on apoptosis (Pappalardo et al., 2001; PMID: 11730925). Most recently, it was used to stain leukocytes for analysis by FC as part of a Canine leukocyte suppression assay (LSA) (Amorim et al., 2020; PMID: 32698861), to identify CD3 in fine-needle aspirates of canine nodal lymphomas (Rigillo et al., 2021; PMID: 33759339), and to stain CD3 on canine peripheral blood mononuclear cells (PBMC) (Ruiz et al., 2022; PMID: 36217551). Additionally, this antibody was used to detect CD3 in immunohistology studies (specifically IHC) of the liver and spleen in dogs treated with rcGM-CSF (Nash et al., 1995; PMID: 7655007). One of the more interesting recent non-FC uses of this antibody was as an anti-CD3 antibody to coat magnetic beads for the activation of lymphocytes (Szopa et al., 2021; PMID: 33679741). If you are interested in canine bispecific T-cell engagers, please [contact us](#).

Antibody First Published in: Moore et al. Development of monoclonal antibodies to canine T cell receptor complex (TCR/CD3) and their utilization in the diagnosis of T cell neoplasia Vet Pathol. 1993 Dec; 30:457 [Abstract 117] [PMID:](#)

Note on publication: The original publication discusses the creation of monoclonal antibodies specific to the T cell receptor complex (TCR/CD3) of dogs, and their use to diagnose T cell neoplasia in dogs — specifically, epidermotropic lymphoma (mycosis fungoides or MF).

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°C for up to 3 months. 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.