



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-CD19 [MB19-1] Standard Size Ab02364-201.1

This is a chimeric dog antibody, based on the original mouse IgA format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Dog IgG2 (IgG-B), Kappa

**Clone Number:** MB19-1

**Alternative Name(s) of Target:** B-lymphocyte antigen CD19; Differentiation antigen CD19; B-lymphocyte surface antigen B4; B4; CD19 molecule; CD19 antigen

**UniProt Accession Number of Target Protein:** P25918

**Published Application(s):** ELISA, FC, IF

**Published Species Reactivity:** Dog, Mouse

**Immunogen:** This antibody was raised by immunising CD19-deficient mice with a cell line of mCD19+ mouse pre-B cells.

**Specificity:** This antibody recognizes murine MB19-1 (CD19), a transmembrane protein present in B lymphocytes that regulates its activation. It is required for proper differentiation of B-1 cells.

**Application Notes:** This clone can be used to detect and analyze the presence of the CD19 transmembrane protein. The specificity towards the protein has been confirmed using ELISA and immunofluorescence (Sato et al., 1996; PMID: 8906812). Additionally, the MB19-1 antibody has been used in several flow cytometry assays. One group used this antibody to determine the differences in CD19 distribution between cells of young and old mice (Yamamoto et al., 2018; PMID: 29625072). Another group used it to differentiate eosinophils from other leukocytes (Vanella et al., 2017; PMID: 27043413). A final group used flow cytometry to determine the fraction of B cells cells in a sample with this antibody (Bedaret et al., 2009; PMID: 19907079).

**Antibody First Published in:** S Sato, N Ono, D A Steeber, D S Pisetsky, T F Tedder CD19 regulates B lymphocyte signaling thresholds critical for the development of B-1 lineage cells and autoimmunity. *J Immunol.* 1996 Nov 15;157(10):4371-8. [PMID:8906812](#)

**Note on publication:** Describes the generation of the antibody and its use in the characterization of CD19.

### 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.