



# 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

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## Anti-CD39 [I-392] Ab03435-10.3-BT

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** I-392

**Alternative Name(s) of Target:** ENTPD1; NTPDase 1; Ectonucleoside triphosphate Di phosphohydrolase 1; Ecto-ATP Di phosphohydrolase 1; Ecto-ATPDase 1; Ecto-ATPase 1; Ecto-apyrase; Lymphoid cell activation antigen

**UniProt Accession Number of Target Protein:** P49961

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

**Published Species Reactivity:** Human

**Immunogen:**

**Specificity:** This antibody recognizes and binds human CD39. NTPDase 1 (ectonucleoside triphosphate diphosphohydrolase, also known as CD39/ENTPD1 or vascular CD39, functions together with another enzyme, CD73 (ecto-5'-nucleosidase), to hydrolyze extracellular adenosine triphosphate (ATP) and adenosine diphosphate (ADP) to generate adenosine, which binds to adenosine receptors and inhibits T-cell and natural killer (NK)-cell responses, thereby suppressing the immune system. This protein could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP.

**Application Notes:** The binding characterization of this antibody for CD39 expressed on Ramos cells was done using flow cytometry (WO2018065552). The binding of this antibody to various recombinant human CD39 isoforms was detected using ELISA. This antibody bound only vascular CD39, without any binding to CD39-L1, CD39-L2, CD39-L3 or CD39-L4. This antibody did not induce or increase CD39 down regulation. It was reported that this antibody is very potent at blocking CD39 enzymatic activity and is capable of neutralizing ATPase activity (US20190153113).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## 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.