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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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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-CD39 [I-392] Standard Size Ab03435-10.3

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

This 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: 200 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.