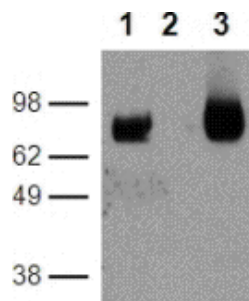


Anti-Mouse CD39 Functional Grade Purified

Catalog Number: 16-0391

Also Known As: Ectonucleoside Triphosphate Diphosphohydrolase 1, Entpd1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Cell lysates prepared from mouse spleen (lane 1), thymocytes (lane 2), or bone marrow (lane 3) were resolved by SDS-PAGE prior to transfer onto a PVDF membrane. The membrane was probed with 2 ug/ml Anti-Mouse CD39 Purified and bands were detected using Anti-Rat IgG HRP. Note: The Anti-Mouse CD39 Purified works only with non-reduced protein without boiling prior to gel loading.

Product Information

Contents: Anti-Mouse CD39 Functional Grade Purified

REF **Catalog Number:** 16-0391

Clone: 24DMS1

Concentration: 1 mg/mL

Host/Isotype: Rat IgG2b, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The 24DMS1 monoclonal antibody reacts with mouse CD39, also known as NTPDase1. E-NTPDases are enzymes that convert nucleoside tri- and diphosphates (NDTPs) into nucleoside monophosphate (NMP), thereby removing toxic extracellular ATP and ADP. CD39 is the dominant member of this family in the immune system and is involved in suppression of inflammation and control of platelet activation. CD39 can impact expression of CD73, another E-NTPase. Together, these molecules influence inflammation responses. CD39 is expressed on B cells, Langerhans cells and most monocytes. In addition, CD39 is found on a subset of CD4+ T cells that are mostly CD25+FoxP3+ T reg cells. T reg cells from CD39-null mice showed impaired suppressive properties *in vitro* and *in vivo*.

Applications Reported

This 24DMS1 antibody has been reported for use in flow cytometric analysis, and immunoblotting (WB).

Applications Tested

This 24DMS1 antibody has been tested by flow cytometric analysis of mouse splenocytes and by WB. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

This antibody is provided as a functional grade but has not been tested in functional assay yet.

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Related Products

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

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