

Product datasheet

Anti-CD73 antibody [AD2] ab130451

Recombinant

★★★★★ [1 Abreviews](#) [1 References](#) [2 Images](#)

Overview

Product name	Anti-CD73 antibody [AD2]
Description	Mouse monoclonal [AD2] to CD73
Host species	Mouse
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Flow Cyt: Human PBMCs.
General notes	<p>This product has switched from a hybridoma to recombinant production method on 21st September 2020.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59.04% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	AD2

Applications

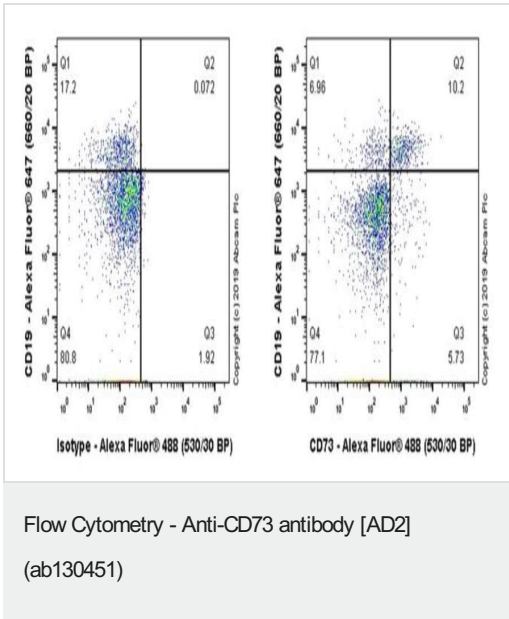
The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab130451 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt	★★★★★ (1)	Use a concentration of 1 - 4 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.
Involvement in disease	Defects in NT5E are the cause of calcification of joints and arteries (CAJA) [MIM:211800]. A condition characterized by adult-onset calcification of the lower extremity arteries, including the iliac, femoral and tibial arteries, and hand and foot capsule joints. Age of onset has been reported as early as the second decade of life, usually involving intense joint pain or calcification in the hands.
Sequence similarities	Belongs to the 5'-nucleotidase family.
Cellular localization	Cell membrane.

Images



Flow cytometric analysis of human PBMC cells labeling CD73 with ab130451 at 1/500 dilution (Right) compared with an isotype control (Left).

Cells were blocked with 20 µg/mL human IgG for 15 minutes on ice. Primary antibody incubation for 30 minutes on ice.

Goat Anti-Mouse IgG H&L (AlexaFluor® 488) (**ab150113**) was used as secondary antibody for 30 minutes on ice in the dark. Cells were also stained with Anti-Mouse CD19 conjugated to AlexaFluor® 647 for 30 minutes on ice in the dark. Added 7-AAD in 1X PBS and incubated for 5 minutes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD73 antibody [AD2] (ab130451)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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