



# Anti-ENTPD1 monoclonal antibody, clone Duha59 [R-PE] (CABT-54666RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD39 antibody, clone Duha59 recognizes CD39, also known as Ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1) or Ecto-ATP diphosphohydrolase. CD39 was first described as a B cell activation marker, but is also expressed on natural killer cells, monocytes, dendritic cells and subsets of activated T cells. It is critical in the regulation of leukocyte accumulation within hypoxic tissues and plays a role in the thromboregulation of platelet and endothelial function activation. CD39, along with CD73, distinguishes regulatory T cells from other resting or activated T cells and plays a role in the suppressive action of regulatory T cells. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul.

<b>Specificity</b>	ENTPD1
<b>Immunogen</b>	A CD39 expression construct and a final boost with CD39-transfected HEK cells.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	Duha59
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
<b>Size</b>	100 tests
<b>Preservative</b>	0.09% Sodium Azide

**Storage**

in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## GENE INFORMATION

Gene Name	<a href="#">Entpd1 ectonucleoside triphosphate diphosphohydrolase 1 [ Mus musculus (house mouse) ]</a>
Official Symbol	ENTPD1
Synonyms	ENTPD1; ectonucleoside triphosphate diphosphohydrolase 1; Cd39; AA408691; NTPDase-1; 2610206B08Rik; NTPDase 1; ectoapyrase; CD39 antigen; ecto-apyrase; ecto-ATPase 1; ecto-ATPDase 1; ecto-ATP diphosphohydrolase 1; lymphoid cell activation antigen;
Entrez Gene ID	<a href="#">12495</a>
Protein Refseq	<a href="#">NP_033978</a>
UniProt ID	P55772
Chromosome Location	19 C3; 19 34.25 cM
Pathway	Epstein-Barr virus infection; Purine metabolism; Pyrimidine metabolism;
Function	ATP binding; ATPase activity; adenosine-diphosphatase activity; hydrolase activity; nucleoside-diphosphatase activity; nucleoside-triphosphatase activity; nucleotide binding;