CD39 / ENTPD1 (Marker of Tumor-specific T cells) Antibody

Mouse Monoclonal Antibody [Clone CD39/6860]

Catalog No	Format	Size
953-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
953-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
953-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

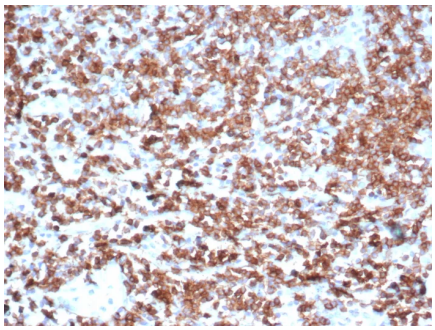
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

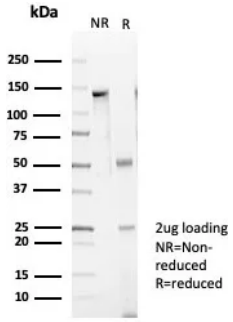
Clone	CD39/6860
Gene Name	ENTPD1
Immunogen	Recombinant full-length human CD39 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70-100 kDa
Cellular Localization	Cell surface.
Species Reactivity	Human
Positive Control	Human tonsil or lymph node.

**Optimal dilution for a specific application should be determined.*

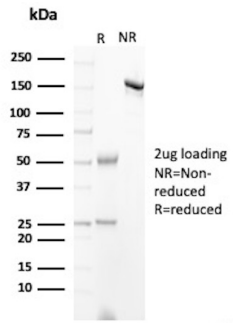
Product Images for CD39 / ENTPD1 (Marker of Tumor-specific T cells) Antibody



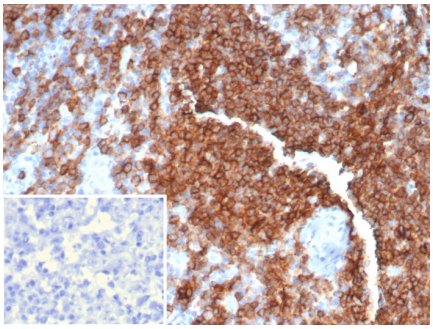
Formalin-fixed, paraffin-embedded human tonsil stained with CD39 Mouse Monoclonal Antibody (CD39/6860). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis Purified CD39 Mouse Monoclonal Antibody (CD39/6860). Confirmation of Purity and Integrity of Antibody.



SDS-PAGE Analysis of Purified Ectonucleoside triphosphate diphosphohydrolase 1 Recombinant Mouse Monoclonal Antibody (CD39/6860). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human lymph node stained with CD39 Mouse Monoclonal Antibody (CD39/6860). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

CD39, also known as ectonucleoside triphosphate diphosphohydrolase 1 (ENP1), is an integral membrane glycoprotein that acts as an extracellular nucleotide-hydrolyzing enzyme. CD39 inhibits ADP-induced platelet aggregation by hydrolyzing ADP to AMP, and ultimately generating Adenosine. Intracellular CD39 undergoes glycosylation at six N-glycosylation sites and translocates to the membrane in order to be an active enzyme. Alternative splicing gives rise to three CD39 isoforms, vascular, placenta I and placenta II. The placenta I isoform differs at the amino terminus whereas the placenta II isoform is missing amino acids 300-510 at the C-terminus. CD39 is expressed in vascular tissues including placenta, lung, skeletal muscle and kidney, as well as endothelium, smooth muscle, cardiac cells, lymphocytes, such as activated B cells, activated NK cells, macrophages, Dendridic cells and platelets. CD39 may be used as an anti-thrombic agent for pre-treating patients at risk for coronary artery occlusion and thrombic stroke.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.