Renalase (Renal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone RNLS/1940]

Catalog No	Format	Size
55328-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
55328-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
55328-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

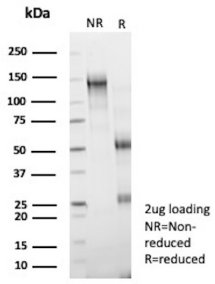
Applications	Tested Dillution	Note

Product Details

Clone	RNLS/1940
Gene Name	RNLS
Immunogen	Recombinant human RNLS protein fragment (around aa 34-235) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	38kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	293T cells. Heart or Kidney.

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

Product Images for Renalase (Renal Cell Marker) Antibody



SDS-PAGE Analysis of Purified Renalase Mouse Monoclonal Antibody (RNLS/1940). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Renalase is a 342 amino acid FAD-dependent amine oxidase that is highly expressed in kidney and is expressed at a lower level in heart, skeletal muscle and small intestine. Renalase is secreted in the blood by the kidney and it is thought to regulate cardiac function and systemic blood pressure. It is also suggested that Renalase functions as a hormone that metabolizes circulating catecholamines, which have an active role in the sympathetic and parasympathetic nervous systems. Individuals with chronic kidney disease and end-stage renal disease have markedly reduced levels of plasma Renalase than healthy individuals. Infusion of Renalase in animal models causes decrease in heart rate, cardiac contractility and blood pressure. Two isoforms of Renalase exist due to alternative splicing events.

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

Cardiovascular

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.