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36-2995: Anti-Renalase (Renal Cell Marker) Monoclonal Antibody(Clone: RNLS/1940)

Clonality :	Monoclonal
Clone Name :	RNLS/1940
Application :	ELISA
Reactivity :	Human
Gene :	RNLS
Gene ID :	55328
Uniprot ID :	Q5VYX0
Alternative Name :	Chromosome 10 open reading frame 59; MAO C; MAO-C; Monoamine oxidase-C; Renalase; Renalase FAD dependent amine oxidase; RNLS
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human RNLS protein fragment (around aa 34-235) (exact sequence is proprietary)

Description

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 thoÂµght to regulate cardiac function and systemic blood pressure. It is also sÂµggested 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

ELISA (For coating, order antibody without BSA);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.