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CERTIFICATE OF ANALYSIS

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: K63142S **Lot #:** 6B05713

Description: Sheep anti Rat Renin
Sheep Antibody to Rat Renin

Specificity: Reacts with rat and mouse renin.

Host Animal: Sheep

Immunogen: Recombinant Rat Prorenin

Format: Purified, Liquid

Purification: Protein G Chromatography

Concentration: 8.7 mg/mL (OD280nm, $E^{0.1\%} = 1.36$)

Buffer: 0.05 M Sodium Phosphate, 0.1 M Sodium Chloride, 1 mM EDTA, pH 6.6.

Preservative: None

Applications: Suitable for use in ELISA (1:50,000), Western Blot (1:5,000) and Immunohistochemistry (1:1,000). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Upon receipt, store at -70°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:

1. Carilli, C.T., et al., (1988), "Semi-preparative purification of recombinant human renin and prorenin", J. Chromatogr., **444**: 203-208.
2. Sielecki, A.R., et al., (1989), "Structure of recombinant human renin, a target for cardiovascular-active drugs, at 2.5 A resolution", Science, **243**(4896): 1346-1351.
3. Ishizuka, Y., et al., (1991), "Isolation and characterization of recombinant human prorenin in Chinese hamster ovary cells", J. Biochem., **109**(1), 30-35.
4. Border, W.A., et al., (2000), "Effect of maximal reduction of angiotensin in renal fibrosis: bad news-good news from a pediatric mouse", Am. J. Kidney Dis., **35**(4), 773-776.
5. Huang, Y., et al., (2003), "A mutant, noninhibitory plasminogen activator inhibitor type 1 decreases matrix accumulation in experimental glomerulonephritis", J. Clin. Invest., **112**(3): 379-388.
6. Danser, A.H., et al., (2005), "Renin, prorenin and the putative (pro)renin receptor", Hypertension, **46**(5), 1069-1076.

Beverly S. Orr

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY