

## Anti-h Renin 10850

### Product overview

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<b>Name</b>	Anti-h Renin 10850
<b>Catalog number</b>	700025
<b>Specificity</b>	Antibody recognizes human renin
<b>Description</b>	Monoclonal antibody raised against human renin. <i>In vitro</i> cultured mouse hybridomas.
<b>Product buffer solution</b>	0.1 M PBS, pH 7.4, 0.9 % NaCl, 0.05 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	60 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	Renin is a proteolytic enzyme secreted by the kidneys that is involved in the release of angiotensin and regulation of sodium and potassium balance. Renin is measured to diagnose primary aldosteronism and hypertension.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid
<b>Product concentration</b>	> 1.0 mg/ml
<b>Immunoreactivity</b>	Passed in ELISA when Anti-h Renin antibody 10850 was used as a capture antibody
<b>IEF Profile</b>	Not Determined (N/D)
<b>Purity</b>	N/D

### Kinetic parameters

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<b>Association rate constant</b>	$2.6 \times 10^6$ 1/Ms
<b>Dissociation rate constant</b>	$5.6 \times 10^{-4}$ 1/s
<b>Affinity constant</b>	$K_A = 4.7 \times 10^9$ 1/M; $K_D = 5.1 \times 10^{-10}$ M (= 0.51 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Renin (human, recombinant), Cayman Chemical Company (Cat 10006217)



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<b>Cross-reactivities</b>	Prorenin < 10 %	
<b>Epitope</b>	N/D	
<b>Pair recommendations</b>	CAPTURE ANTIBODY 10851,10852	DETECTION ANTIBODY 10850
	Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.	
<b>Platforms tested</b>	-	
<b>Antigens tested</b>	-	
<b>Product stability</b>	TEMPERATURE, TIME N/D	TEMPERATURE, TIME N/D
<b>Miscellaneous</b>	-	
<b>References</b>	-	



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