

Anti-h Renin 10851

Product overview

Name	Anti-h Renin 10851
Catalog number	700026
Specificity	Antibody recognizes human renin
Description	Monoclonal antibody raised against human renin. <i>In vitro</i> cultured mouse hybridomas.
Product buffer solution	0.1 M BBS, pH 8, 0.9 % NaCl
Shelf life and storage	60 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	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

Product appearance	Liquid
Product concentration	> 1.0 mg/ml
Immunoreactivity	Passed in ELISA when Anti-h Renin antibody 10851 was used as a capture antibody
IEF Profile	Not Determined (N/D)
Purity	N/D

Kinetic parameters

Association rate constant	3.8×10^5 1/Ms
Dissociation rate constant	8.7×10^{-5} 1/s
Affinity constant	$K_A = 4.4 \times 10^9$ 1/M; $K_D = 4.8 \times 10^{-10}$ M (= 0.48 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Renin (human, recombinant), Cayman Chemical Company (Cat 10006217)



Legal disclaimer

Cross-reactivities	Prorenin < 4 %	
Epitope	N/D	
Pair recommendations	CAPTURE ANTIBODY 10851	DETECTION ANTIBODY 10850, 10852
	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.	
Platforms tested	-	
Antigens tested	-	
Product stability	TEMPERATURE, TIME N/D	TEMPERATURE, TIME N/D
Miscellaneous	-	
References	-	



Legal disclaimer