# Medix Biochemica

### 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	10 years from manufacturing at 2–8 °C		
Subclass	lgG <sub>1</sub>		
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 x 10 <sup>5</sup> 1/Ms		
Dissociation rate constant	8.7 x 10 <sup>-5</sup> 1/s		
Affinity constant	K <sub>A</sub> = 4.4 x 10 <sup>9</sup> 1/M; K <sub>D</sub> = 4.8 x 10 <sup>-10</sup> M (= 0.48 nM)		
Determination method	BLI (Octet RED96e)		
Determination antigen	Renin (human, recombinant), Cayman Chemical Company (Cat 10006217)		



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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	-		



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