Medix Biochemica

Anti-h Calprotectin 3403 SPTN-5

Product overview				
Catalog number	100460			
Specificity	Antibody recognizes calprotectin S100A9 subunit			
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.			
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN $_3$ as a preservative			
Shelf life and storage	36 months from manufacturing at 2–8 °C			
Subclass	lgG _{2a}			
Analyte description	Calprotectin belongs to the family of S100 proteins and is composed of two subunits S100A8 and S100A9. Increased plasma concentrations are found in response to infections and inflammation. Faecal calprotectin measurement is used for detection of gastrointestinal inflammation or neoplasia and for assessment of inflammatory bowel disease activity and response to treatment. S100A9, also known as calgranulin B, is upregulated in various cancer types including breast, prostate, lung, and colorectal cancers as well.			
Product appearance	Liquid, may turn slightly opaque during storage			
Product appearance Product concentration	Liquid, may turn slightly opaque during storage 5.0 mg/ml (+/- 10 %)			
Product concentration	5.0 mg/ml (+/- 10 %)			
Product concentration	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test			
Product concentration Immunoreactivity IEF Profile	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test 7.2–8.7			
Product concentration Immunoreactivity IEF Profile Purity	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test 7.2–8.7			
Product concentration Immunoreactivity IEF Profile Purity Kinetic parameters	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test 7.2–8.7 \ge 95 %			
Product concentration Immunoreactivity IEF Profile Purity Kinetic parameters Association rate constant	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test 7.2–8.7 $\ge 95 \%$ 1.9 x 10 ⁶ 1/Ms			
Product concentration Immunoreactivity IEF Profile Purity <u>Kinetic parameters</u> Association rate constant Dissociation rate constant	5.0 mg/ml (+/- 10 %) 80–120 % compared to the reference sample in an FIA test 7.2–8.7 ≥ 95 % 1.9 x 10 ⁶ 1/Ms 9.1 x 10 ⁻⁴ 1/s			



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Cross-reactivities

Not determined (N/D)

N/D

Epitope

Pair recommendations			DETECTION						
			3403	3404	3405	3406	3407		
		3403	-	+	+	+	+		
	CAPTURE	3404	+	+	+	+	+		
		3405	+	+	-	-	+		
		3406	+	+	+	-	+		
		3407	+	+	+	+	+		
	Antibody 3403 is recommended as a pair with itself for detection of S100A9 homodimer (calgranulin B). 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	FIA, LF								
-	Recombinant Calprotectin S100A8/S100A9 antigen, Medix Biochemica 610061, and recombinant Calprotectin S100A9 antigen, Medix Biochemica 710019, 710037 and 710036.								
	TEMPERATURE, TIME -70 °C, 21 days -20 °C, 21 days +4 °C, 21 days +35 °C, 7 days +35 °C, 21 days +45 °C, 3 days Stability testing is performed in the				RESULT OK OK OK Reduced ir Reduced ir	nmunorea	ctivity		
	tempe antibo	eratures afi ody. Please	fect the antigen binding, charge or composition of the e note that the shelf life given on the first page is based on y testing at 2–8 °C in the product buffer.						
Miscellaneous	-								

References



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