Medix Biochemica

Product specification
ANTIBODY
2025-04-22

Anti-h HBP 12202 PBS-5

Product overview

Catalog number	101007
Specificity	Antibody recognizes human heparin binding protein (HBP)
Description	Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components.
Product buffer solution	Phosphate-buffered saline (PBS) pH 7.4 with 0.095 % NaN_3 as a preservative
Shelf life and storage	12 months from manufacturing at 2–8 °C
Subclass	IgG_1
Analyte description	Heparin binding protein (HBP), also known as azurocidin or cationic antimicrobial protein of 37 kDa (CAP37), is an acute inflammatory glycoprotein released by activated neutrophils in response to bacterial infections. HBP is a promising biomarker for early diagnosis and prognosis of sepsis.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/-10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	5.7–6.5
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.9 x 10^5 1/Ms
Dissociation rate constant	Does not dissociate under conditions used.
Affinity constant	Not applicable (N/A)
Determination method	BLI (Octet RED96e)
Determination antigen	Azurocidin (Human Neutrophils), Medix Biochemica (Cat 125-75)

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Cross-reactivities N/D

Epitope N/D

Pair recommendations

		DETECTION					
		12201	12202	B-P37	B-R37	HM721	HM722
CAPTURE	12201	-	+	-	-	-	+
	12202	+	-	+	+	+	-
	B-P37	-	+	-	-	-	+
	B-R37	-	+	-	-	-	+
	HM721	-	+	-	-	-	+
	HM722	+	-	+	+	+	-

Following pairs are especially recommended for the below mentioned assays:
FIA: 12201 (capture) – 12202 (detection), and 12202 – 12201, 12201 – HM722, B-R37 – 12202

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

Antigens tested Native Azurocidin antigen Medix Biochemica 125-75

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK, charge alteration
+45 °C, 7 days	OK, charge alteration

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody.

Miscellaneous This product was previously available with Clone code B-K37. It has been produced using the same original mouse monoclonal hybridoma cell line.

References -

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