

Anti-FBP-FA complex NA002301 SPTN-5

Product overview

Catalog number	C-10-0086
Specificity	Antibody recognizes folate-folate binding protein complex
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9% NaCl, 0.1% ProClin™ 300 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	Mouse IgG ₁
Analyte description	Folate (FA) is a water-soluble B-group vitamin. It is crucial for the growth of normal cells and the synthesis of DNA. Lack of folic acid can lead to giant cell anemia and ultimately lead to various neurological symptoms. Folate binding protein (FBP) are a family of proteins that bind folate and its derivatives with high affinity. They serve as transporters, receptors, and storage proteins.

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 a CLIA test
IEF Profile	Not Determined (N/D)
Purity	≥ 95 %

Kinetic parameters

Association rate constant	N/D
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-



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Cross-reactivities

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Epitope

N/D

Pair recommendations

CAPTURE	DETECTION		
	NA002301	NA002302	LA419L
NA002301	-	-	+
NA002302	-	-	+
LA419L	+	+	-

LA419L Folate Binding Protein, Native

Please note that NA002301 could only recognize the folate-folate binding protein complex. Therefore, NA002301 (pair with LA419L) would be suggested to be used in sandwich assay.

The above 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

ELISA, CLIA

Antigens tested

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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
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

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References

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