

## Anti-FBP-FA complex NA002302 SPTN-5

### Product overview

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<b>Catalog number</b>	C-10-0087
<b>Specificity</b>	Antibody recognizes folate-folate binding protein complex
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9% NaCl, 0.1% ProClin™ 300 as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	Mouse IgG <sub>1</sub>
<b>Analyte description</b>	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

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10%)
<b>Immunoreactivity</b>	80–120% compared to the reference sample in a CLIA test
<b>IEF Profile</b>	Not Determined (N/D)
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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



**Cross-reactivities** -

**Epitope** N/D

**Pair recommendations**

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

LA419L Folate Binding Protein, Native

Please note that NA002302 could only recognize the folate-folate binding protein complex. Therefore, NA002302 (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** -

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** -

**References** -

