

Anti-FBP NA002303 SPTN-5

Product overview

Catalog number	C-10-0088
Specificity	Antibody recognizes folate binding protein
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	-



Cross-reactivities	-												
Epitope	N/D												
Pair recommendations	-												
Platforms tested	ELISA, CLIA												
Antigens tested	LA419L Folate Binding Protein, Native, +												
Product stability	<table> <tr> <th>TEMPERATURE, TIME</th><th>RESULT</th></tr> <tr> <td>-70 °C, 21 days</td><td>OK</td></tr> <tr> <td>-20 °C, 21 days</td><td>OK</td></tr> <tr> <td>+4 °C, 21 days</td><td>OK</td></tr> <tr> <td>+35 °C, 21 days</td><td>OK</td></tr> <tr> <td>+45 °C, 7 days</td><td>OK</td></tr> </table>	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
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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	-

