

Anti-h PRL NA003003 SPTN-5

Product overview

Catalog number	C-10-0091
Specificity	Antibody recognizes human prolactin (luteotropic hormone, or luteotropin)
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 _{2b}
Analyte description	Prolactin (PRL) or luteotropic hormone (LTH) is a peptide hormone primarily associated with lactation. Prolactin is usually measured when checking for pituitary tumors and the cause of breast milk production that is not related to childbirth (galactorrhea), impotence, infertility, irregular menstrual periods.

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

Does not recognize hGH, hCG, hPL, TSH, FSH or LH

Epitope

N/D

Pair recommendations

		DETECTION				
		5601	5602	NA003001	NA003002	NA003003
CAPTURE	5601	-	+	+	+	+
	5602	+	-	+	+	+
	NA003001	+	+	-	+	+
	NA003002	+	+	+	-	+
	NA003003	+	+	+	+	-

Following pairs are especially recommended for the below mentioned assay:

CLIA: NA003003 (capture) – NA003001 (detection),
NA003003 (capture) – NA003002 (detection)

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

ELISA, CLIA

Antigens tested

996-41 Prolactin antigen, Native, +

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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