

## Product specifications

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Name	Anti-h PRL 5602 SP-5
Specificity	Antibody recognizes human prolactin (luteotropic hormone, or luteotropin)
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100360
Product buffer solution	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
Shelf life and storage	24 months from manufacturing at 2–8 °C
Subclass	IgG <sub>1</sub>
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

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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	5.7–6.7
Purity	≥ 95 %

## Kinetic parameters

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Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	9.5 x 10 <sup>9</sup> 1/M
Determination method	Radioimmunoassay (RIA)
Determination antigen	PRL, UCB –Bioproducts (Cat i117/001, Lot 003)

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**Cross-reactivities** GH < 0.5 % (Boehringer, Cat 252964, Lot 1222303/Jul 84)  
 PL < 0.05 % (UCB-Bioproducs, Cat i020, Lot 007)

**Epitope** N/D

**Pair recommendations**

		DETECTION	
		5601	5602
CAPTURE	5601	-	+
	5602	+	-

Following pairs are especially recommended for the below mentioned assays:  
 LF: 5602 (membrane) – 5601 (particles)

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, CLIA, LF

**Antigens tested** Native PRL antigen, Lee Biosolutions 996-40 and 996-41.

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	N/D
-20 °C, 21 days	N/D
+4 °C, 21 days	N/D
+35 °C, 7 days	N/D
+35 °C, 21 days	N/D
+45 °C, 3 days	N/D
+45 °C, 7 days	N/D

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** -

