

## PRODUCT INFORMATION

# CanAg ProGRP EIA

The CanAg ProGRP EIA Kit is a solid phase, one-step immunoassay for the quantitative determination of ProGRP. ProGRP has been shown to have a high sensitivity and specificity in serum for SCLC. Data indicates that it may be a promising biomarker for the diagnosis and monitoring of SCLC and for use in discriminating NSCLC from SCLC.

### Simple Assay Format

- Easy to Use one-step immunoassay
- Pre-diluted calibrators
- Room temperature incubation

*“ A new promising tool for  
the management of  
Small Cell Lung Cancer (SCLC) ”*

### SPECIFICATIONS

### PRODUCT NO 220-85

<b>Results within:</b>	3 hours, one step procedure
<b>Detection limit:</b>	< 2 ng/L
<b>Measuring range:</b>	2–1000 ng/L
<b>Sample volume:</b>	50 µL
<b>Stability:</b>	18 months at 4° C
<b>Calibrator range:</b>	0-1000 ng/L
<b>Incubation temp:</b>	20–25° C
<b>Detection:</b>	450 nm

For Research Use Only

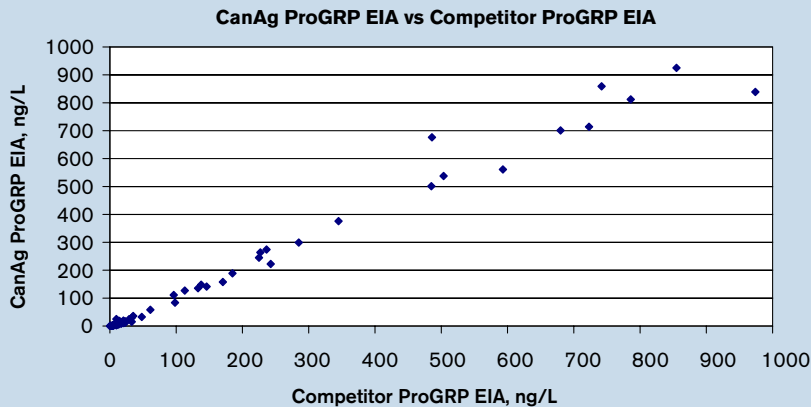


*Shedding light on a dark  
and dangerous disease*

# GLOBAL LEADER

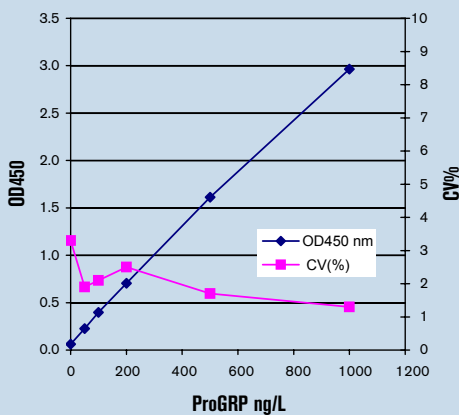
# CanAg ProGRP EIA

The neuropeptide hormone **Gastrin Releasing Peptide (GRP)**, the human counterpart of amphibian bombesin, is synthesised as a prohormone, proGRP. ProGRP exists in three different variants with 115, 118 or 125 amino acids, respectively. The region proGRP31-98 is common for all three variants, and antibodies towards this region have been used for development of assays for determination of proGRP. Increased ProGRP levels have been detected in small cell lung carcinoma (SCLC).



Correlation between ProGRP EIA and competitor assay. The linear regression equation was  $y = 1,03x - 0,79$  and the coefficient of correlation was  $r^2 = 0,98$ ,  $n = 63$ .

The **CanAg ProGRP EIA** is a one step sandwich EIA performed in microwells coated with streptavidin. ProGRP is measured in 50  $\mu$ L of serum, which is mixed with antibody solution and incubated at room temperature for 2 hours. The antibody solution consists of peroxidase labelled E146 mouse monoclonal antibody, reactive against proGRP aa 48-53, and biotinylated affinity purified goat polyclonal antibody specific for proGRP 31-98.



## DOSE-RESPONSE AND PRECISION PROFILE

A typical calibration curve and precision profile obtained with the CanAg ProGRP EIA kit is shown below. The precision profile is based on random pipetting of calibrators into one microplate,  $n=8$ .

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