

Denosumab (Prolia®) – PK ELISA

Cat# SB-07-064

For the quantitative determination of denosumab in human serum and plasma

Notice: This product specification data sheet is for information purposes only. Please contact tec@somrubioscience.com for up to date information.

Description	The Somru denosumab ELISA kit is designed to measure denosumab with high specificity and enhanced sensitivity in serum or plasma. This user-friendly assay design utilizes target protein (RANKL) to capture and anti-denosumab antibody for detection.
Detection Method	Colorimetric; absorbance at 450 nm with reference absorbance at 650 nm
Storage	Kit ships at 2 to 8°C. Multiple storage temperatures upon arrival.
Calibrator	Denosumab
Calibration Curve	25 to 2500 ng/mL; 4 or 5 -parameter curve fit
Assay range	25 to 1,000 ng/mL
Sensitivity	25 ng/mL
Precision	Intra-assay precision $\leq 10\%$. Inter-assay mean precision $\leq 15\%$. Determined by analyzing three levels of quality control samples in 6 replicates on 6 different occasions.
Accuracy	The Mean %bias is $\leq 15\%$. Determined by analyzing three levels of quality control samples in 6 replicates on 6 different occasions.
Total Error	The Total Error is $\leq 20\%$. Calculated by adding the mean %bias with inter-assay variability (%CV).
Safety Warnings and Precautions	All reagents and samples should be handled as if potentially hazardous and infectious. It is recommended that all kit reagents be handled by trained laboratory personnel and are used in accordance with the principles of Good Laboratory Practice.

Notice: Somru ELISA kits are custom-made to order. Each kit lot is tested to ensure that it meets specifications before shipment. Minor adjustments to the preparation of reagents may occur due to lot-to-lot variation. Please always refer to the product sheet enclosed with each kit before performing each experiment.