A novel nano-immunoassay method for quantification of proteins from CD138 purified myeloma cells: biological and clinical utility

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Contributions: IMK: Conceived the idea and designed the study, developed the protein extraction and optimized quantification technology, performed experiments, analyzed data and wrote the manuscript. LAC: performed the statistical analysis and wrote the manuscript. ERR: performed qRT-PCR and analyzed data. JML, JB, JMLH, JSM and M-VM: Supplied study material and provided myeloma samples. RGS: Provided myeloma samples and supervised qRT-PCR. AO: Provided myeloma samples. NCG: Conceived the idea and supervised the study, supplied study material, provided myeloma samples and wrote the manuscript. All authors reviewed critically and approved the manuscript.