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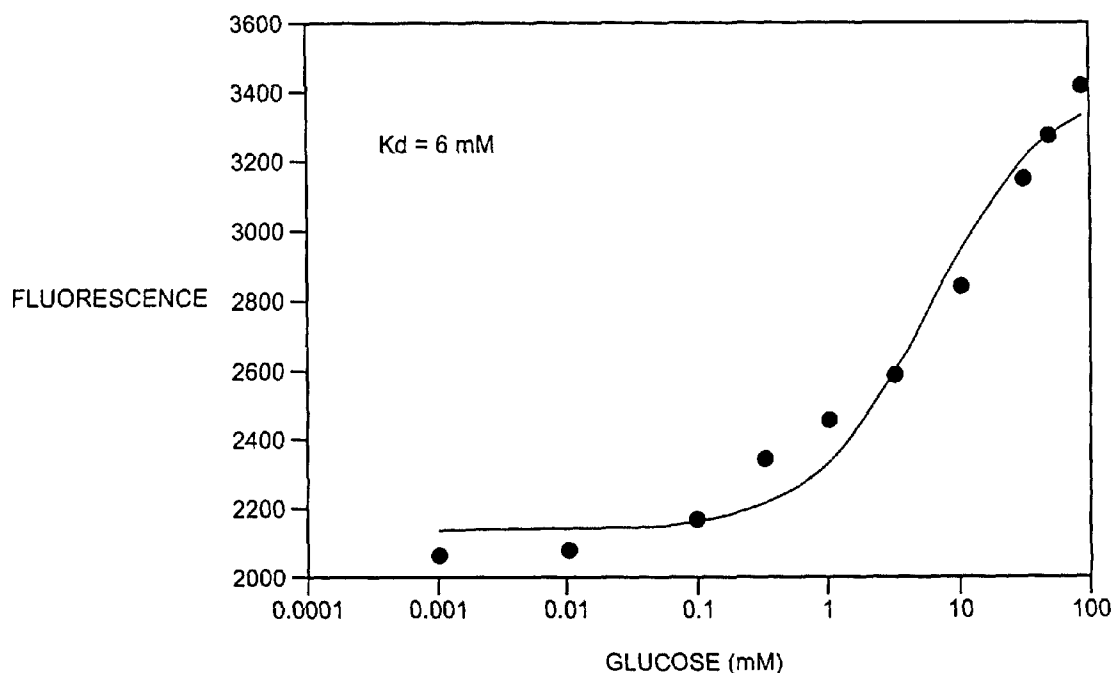
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(54) Title: ENTRAPPED BINDING PROTEINS AS BIOSENSORS



(57) Abstract: The invention is directed to entrapped binding proteins, mutated binding proteins containing reporter groups, compositions of mutated binding proteins containing reporter groups in analyte permeable matrices, and their use as analyte biosensors both in-vitro and in vivo. The binding proteins are covalently bound to a fluorescein dye so that the concentration of an analyte (e.g., glucose) in a given sample is proportional to the fluorescence signal on a scale.



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