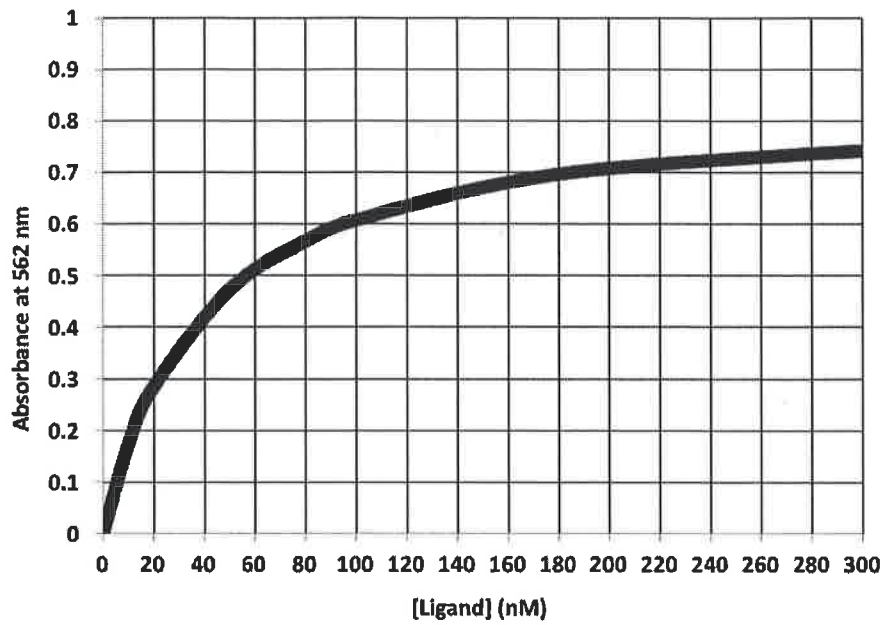


Name: Key

Imagine that you collect the following data in the lab:



1. Determine the  $K_D$  and include units.

$40 \text{ nM}$

2. Determine the  $K_A$  and include units.

$0.025 \text{ nM}^{-1}$

3. If this assay were setup well, what would be a good  $[\text{protein}]_{\text{total}}$  (include units)?

$\geq 400 \text{ nM}$  or  $0.4 \mu\text{M}$