

**Llama immunization with full-length VAR2CSA generates cross-reactive and inhibitory single-domain antibodies against the DBL1X domain**

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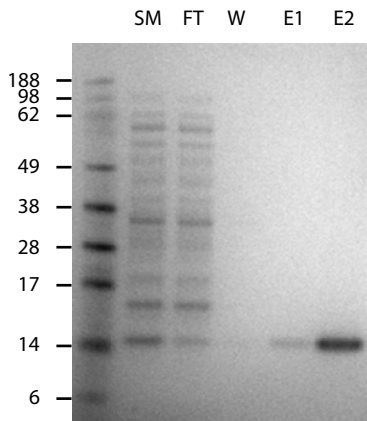
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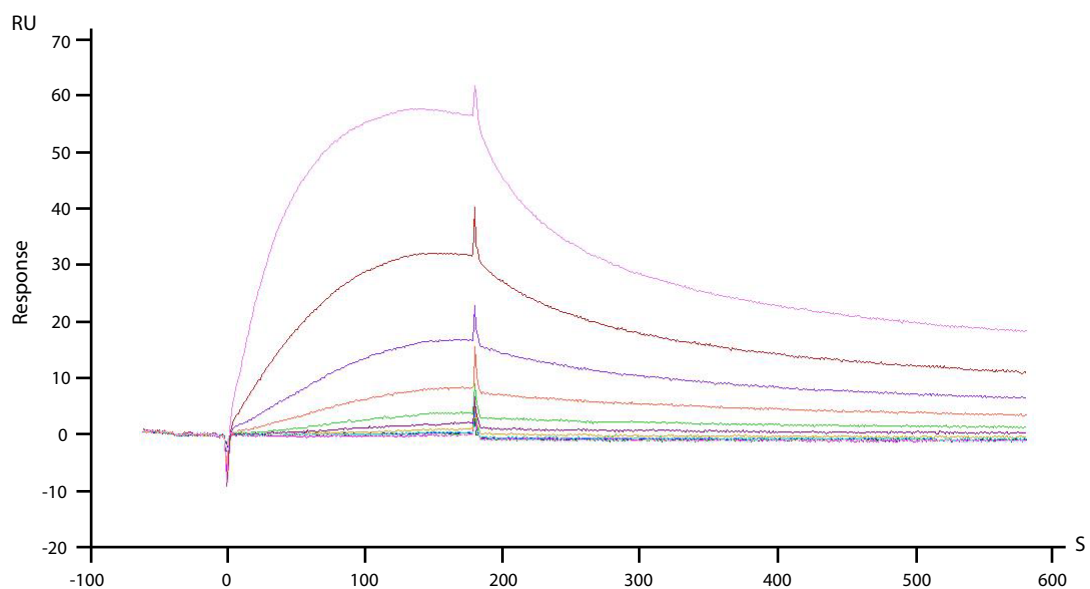
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**Supplementary Figure S1. Nanobody expression and purification.** The coomassie blue stained gel contains the starting material (SM) of the IMAC purification (corresponding to the periplasmic extract from harvested bacteria), flow-through (FT), wash (W) and eluted fractions (E1 and E2) for the VHH905.



**Supplementary Figure S2. Sensorgram showing interaction of VHH867 with VAR2CSA.** Full-length recombinant VAR2CSA (3D7-DBL1X-6ε) was immobilized on the chip and nanobodies were injected at 10 different concentrations from 1  $\mu$ M to 1.95 nM, as indicated above some of the corresponding curves.