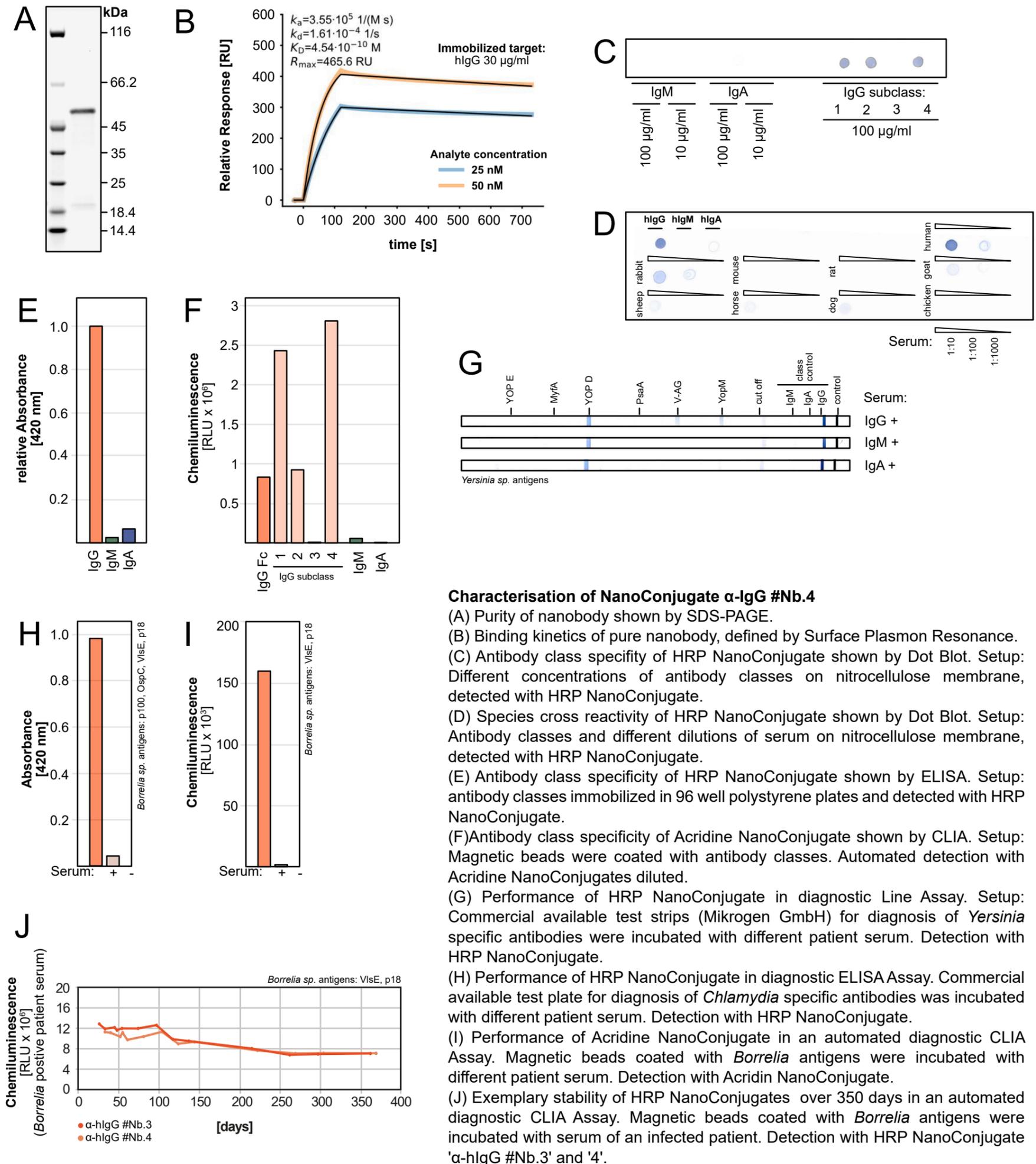


PRODUCT SPECIFICATION

NanoConjugate α -IgG #Nb.4



Characterisation of NanoConjugate α -IgG #Nb.4

(A) Purity of nanobody shown by SDS-PAGE.

(B) Binding kinetics of pure nanobody, defined by Surface Plasmon Resonance.

(C) Antibody class specificity of HRP NanoConjugate shown by Dot Blot. Setup: Different concentrations of antibody classes on nitrocellulose membrane, detected with HRP NanoConjugate.

(D) Species cross reactivity of HRP NanoConjugate shown by Dot Blot. Setup: Antibody classes and different dilutions of serum on nitrocellulose membrane, detected with HRP NanoConjugate.

(E) Antibody class specificity of HRP NanoConjugate shown by ELISA. Setup: antibody classes immobilized in 96 well polystyrene plates and detected with HRP NanoConjugate.

(F) Antibody class specificity of Acridine NanoConjugate shown by CLIA. Setup: Magnetic beads were coated with antibody classes. Automated detection with Acridine NanoConjugates diluted.

(G) Performance of HRP NanoConjugate in diagnostic Line Assay. Setup: Commercial available test strips (Mikrogen GmbH) for diagnosis of *Yersinia* specific antibodies were incubated with different patient serum. Detection with HRP NanoConjugate.

(H) Performance of HRP NanoConjugate in diagnostic ELISA Assay. Commercial available test plate for diagnosis of *Chlamydia* specific antibodies was incubated with different patient serum. Detection with HRP NanoConjugate.

(I) Performance of Acridine NanoConjugate in an automated diagnostic CLIA Assay. Magnetic beads coated with *Borrelia* antigens were incubated with different patient serum. Detection with Acridin NanoConjugate.

(J) Exemplary stability of HRP NanoConjugates over 350 days in an automated diagnostic CLIA Assay. Magnetic beads coated with *Borrelia* antigens were incubated with serum of an infected patient. Detection with HRP NanoConjugate ' α -hlgG #Nb.3' and '4'.