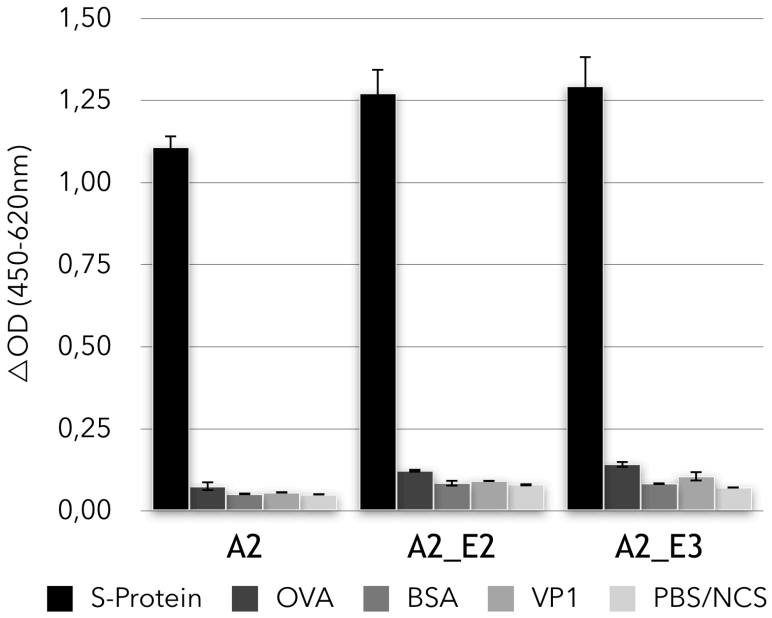
new/era/mabs

Product specification	
Product	**recombinant camelid single domain antibody specific for Spike protein (SARS CoV2)**
Clone	NEM_sdAb_A2
Lot Number	20.21/A2/1
Host	camelid
Target	SARS CoV2 Spike protein
Purification	Ni-NTA sepharose affinity purified from bacterial culture. Purity >90% determined by SDS gel electrophoresis and Western Blot.
Antibody format	variable domain of heavy chain antibodies (VH)
Clonality	monoclonal
Conjugate	unconjugated
Protein Tag	His tag and HA tag
quantity	50 µg
Storage Buffer	HEPES (10 mM), NaCl (0.151 M), KCl (4.7 mM), $CaCl_2$ (2 mM), MgCl2・6 H_2O (1.2 mM),Glucose・1 H_2O (7.8 mM), pH 8.5
Applications	ELISA and Western Blot (optimal concentrations need to be determined by the customer for every single application
Preservative	sodium azide 0.02 %
Storage	4 °C
Country of Origin	Germany
Note	For *in vitro* use only, not for therapeutic use.

Elisa dates:

ELISA performed with the camelid single domain antibody clone NEM_sdAb_A2 from native and denaturing purification to test for its reactivity with SARS CoV2 Spike protein (0.05 µg) or non-target proteins (each 0.25 µg; OVA ovalbumin; BSA bovine serum albumin; NCS neonatal calf serum; VP1 major capsid protein 1 of hamster polyomavirus). 0.5 µg antibody were applied and detected with anti-His-POD secondary antibody.



Western Blot:

Purity analysis was done by SDS gel electrophoresis and Western Blot. The His tag was detected by anti-His-POD secondary antibody. The camelid single domain antibody clone A2 was purified under native (E1-E3) and denaturing conditions (dc).