Anti-Spike (RBD) recombinant, chimeric IgA antibody_RP_SZ_861 with J-chain (JC)

Description:

InVivo offers a series of recombinant, chimeric antibodies, containing mouse variable domains (V_L+V_H) with human IgA1 (C_H) and kappa (C_L) constant domains.

The antibody is co-expressed with recombinant, 17 kDa Immunoglobulin J (joining) chain (J-chain or JC), which carries a C-terminal 8×His-tag. The IgA antibody is expected to form a 2:1 complex with JC (= dimeric IgA).

The variable sequences of RP_SZ_861 are identical to sequences of hybridoma cell line IgG antibodies AK3399, AK3400 and AK3401 (also available from InVivo), which were generated by mouse immunization with the receptor-binding domain (RBD) of the SARS-CoV-2 Spike protein.

The recombinant antibodies are produced under serum-free conditions in HEK-INV cells (InVivo proprietary optimized; human embryonic kidney, HEK293 cells) and purified through one-step purification with Protein-A affinity chromatography.

Product-ID:	RP_SZ_861
Host:	Mammalian, HEK
Isotype:	Chimeric antibody with mouse variable (Fv) domain and human IgA constant domains; in complex with JC.
Subclass:	hIgA1κ
Formulation:	Liquid, PBS, pH 7.4, 0.2 µm sterile filtered
Concentration:	≥ 0.5 mg/ mL
Purity:	≥ 90% (via analytical CGE under reducing conditions)
Conjugate:	Unconjugated

The product is for research use or for further manufacturing only.