

PRODUCT INFORMATION

Anti-Spike (S1) recombinant, chimeric IgA antibody_RP_SZ_862 with J-chain (JC)

Description:

InVivo offers a series of different 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_862 are identical to sequences of hybridoma cell line IgG antibodies AK3422 and AK3424 (also available from InVivo), which were generated by mouse immunization with recombinant full-length SARS-CoV-2 Spike protein (S).

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.

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| Product-ID: | RP_SZ_862 |
| 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.