CASR VHH-FC

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Cat. #: 26203
Size: 100 µL
Gene Symbol: CaSR
Description: CaSR VHH-FC (Recombinant monoclonal Nanobody, fused to Human Fc)
Background: Calcium-sensing receptor (CaSR) is a bioreceptor for various signaling molecules such as calcium ions (Ca2+). It is located on the surface of the cell membrane and belongs to the C-type G protein-coupled receptor family. CaSR mainly couples the intracellular Gq/11 class G protein signaling pathway, inducing the accumulation of phosphoinositide and endoplasmic reticulum Ca2+ release and other cellular physiological behaviors. CaSR can maintain calcium ion homeostasis in the body by controlling the secretion of parathyroid hormone and participates in various physiological processes such as bone metabolism.
This product is a CaSR nanobody with high specificity and high affinity. It recognizes the extracellular structural region of CaSR and can be used in CaSR expression detection and immunoprecipitation experiments. It is a good CaSR detection tool.
Applications: Flow cytometry staining, immunostaining and Elisa, IP, Co-IP, IHC
Dilution: 1:500
Molecular Weight: 90 kD
Species Reactivity: Human, Rat
Format: Liquid
Tag: His
Constituents: PBS, 40% Glycerol, 0.03% proclin300
Species: Human, Rat
Storage Conditions: Store at 4□, 6 months; -20□, 2 years

Figure1. ELISA Analysis of Human CaSR with Anti-CaSR antibody at 1/500 dilution

Figure 3. Flow cytometry analysis with Anti-CaSR antibody at 1/500 dilution on HEK293 cells overexpress human CaSR.

Figure2. Figure1. ELISA Analysis of Rat CaSR with Anti-CaSR antibody at 1/500 dilution

Figure 4. Flow cytometry analysis with Anti-CaSR antibody at 1/500 dilution on HEK293 cells overexpress rat CaSR.