

Basic Information

Product Name	Anti-Calcium Sensing Receptor/CASR DyLight 550 Conjugated Antibody
Gene Name	CASR
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Immunogen	E. coli-derived human CASR recombinant protein (Position: Q926-S1078). Human CASR shares 80.5% and 78.6% amino acid (aa) sequence identity with mouse and rat CASR, respectively.
Fluorophores	Amax=562nm; Emax=576nm
Conjugate	Dylight 550
Concentration	500ug/ml
Purification	protein G purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 ⁶ cells

Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

Background Information

The calcium-sensing receptor (CaSR) is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism.

Selected Validation Data

Product datasheet

**Anti-Calcium Sensing Receptor/CASR
DyLight 550 Conjugated Antibody**

Catalog Number: M00574-Dyl550



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

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