

Anti-Human CASR DyLight® 550 conjugated Antibody(monoclonal, 11E9)

Catalog Number: M00574-Dyl550

About CASR

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.

Overview

Product Name	Anti-Human CASR DyLight® 550 conjugated Antibody(monoclonal, 11E9)
Reactive Species	Human
Description	Boster Bio Anti-Human CASR DyLight® 550 conjugated Antibody (monoclonal, 11E9) catalog # M00574-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®550
Application	Flow Cytometry
Clonality	Monoclonal Clone: 11E9
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	P41180

Technical Details

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.
Predicted Reactive Species	Human
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow Cytometry, 1-3ug/1x10⁶ cells

Anti-Human CASR DyLight® 550 conjugated Antibody(monoclonal, 11E9) (M00574-DyI550) Images



Boster Kit Box

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