

Product Information

Anti-CRTH2 (GPR44)

produced in chicken, affinity isolated antibody

Catalog Number **C9868**

Product Description

Anti-CRTH2 (GPR44) is produced in chicken using as immunogen a synthetic peptide corresponding to N-terminal residues 15–33, [EQMSRLQSHSNTSIRYIDH] of human CRTH2 (GPR44) (GeneID 11251). The antibody is affinity-purified.

Anti-CRTH2 (GPR44) recognizes human CRTH2 (GPR44). Applications include the detection of CRTH2 (GPR44) by immunoblotting (~43 kDa) and immunohistochemistry.

CRTH2 (chemoattractant receptor-homologous molecule), which is also known as the putative G protein-coupled receptor (GPR44), is expressed on Th2 cells and is a novel member of the G protein-coupled leukocyte chemoattractant receptor family, which is selectively expressed in Th2 but not Th1 lineage cells. CRTH2 is selectively expressed *in vivo* in an activated state of Th2 cells including allergen-responsive Th2 cells, suggesting its pivotal roles in ongoing Th2-type immune reactions.

Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in “frost-free” freezers, is not recommended.

Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: an optimal working antibody dilution should be determined.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

References

1. Marchese, A., et al., Discovery of three novel orphan G-protein-coupled receptors. *Genomics*. **56**: 12-21 (1999).

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