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 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

DP,BKR,PHC,MAM 06/08-1