

# Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2)

Recombinant Antibody  
Catalog # APR10924

## Product Information

<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">Q9Y5Y4</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	43268

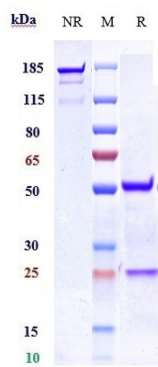
## Additional Information

<b>Target/Specificity</b>	GPR44 / PTGDR2 / CD294
<b>Endotoxin Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

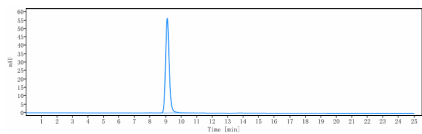
## Protein Information

<b>Name</b>	PTGDR2
<b>Synonyms</b>	CRTH2, DL1R, GPR44
<b>Function</b>	Receptor for prostaglandin D2 (PGD2). Coupled to the G(i)- protein. Receptor activation may result in pertussis toxin-sensitive decreases in cAMP levels and Ca(2+) mobilization. PI3K signaling is also implicated in mediating PTGDR2 effects. PGD2 induced receptor internalization. CRTH2 internalization can be regulated by diverse kinases such as, PKC, PKA, GRK2, GPRK5/GRK5 and GRK6. Receptor activation is responsible, at least in part, in immune regulation and allergic/inflammation responses.
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein. Note=Internalized receptors colocalized with RAB11A.
<b>Tissue Location</b>	Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2- and Tc2- type cells, eosinophils and basophils.

# Images



Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.