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Anti-GPR174 Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17494

Specification

Anti-GPR174 Antibody (Extracellular Domain) - Product Information

Application	**IHC-P**
Primary Accession	Q9BXC1
Predicted	**Human, Mouse, Rat, Rabbit, Monkey, Pig, Bovine, Horse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**38503**
Dilution	**IHC-P~~N/A**

Anti-GPR174 Antibody (Extracellular Domain) - Additional Information

Gene ID 84636

Alias Symbol	**GPR174**

Other Names
GPR174, FKSG79, Jeg18, Purinergic receptor fksg79, G protein-coupled receptor 174

Target/Specificity
Human GPR174. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-GPR174 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GPR174 Antibody (Extracellular Domain) - Protein Information

Name GPR174

Function
G-protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles in immune response (PubMed:36823105). Plays a negative role in regulatory T-cell accumulation and homeostasis. Under inflammatory conditions where LysoPS production increases, contributes to the down-regulation of regulatory T-cell activity to favor effector response. Mediates the suppression of IL-2 production in activated T-lymphocytes leading to inhibition of growth, proliferation and differentiation of T-cells. Mechanistically, acts via G(s)- containing heterotrimeric G proteins to trigger elevated cyclic AMP levels and protein kinase A/PKA activity, which may in turn act to antagonize proximal TCR signaling. Plays an important role in the initial period of sepsis

through the regulation of macrophage polarization and pro- and anti-inflammatory cytokine secretions. Upon testosterone treatment, acts as a receptor for CCL21 and subsequently triggers through G(q)-alpha and G(12)/G(13) proteins a calcium flux leading to chemotactic effects on activated B-cells. Signals via GNA13 and PKA to promote CD86 up-regulation by follicular B-cells.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Anti-GPR174 Antibody (Extracellular Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GPR174 Antibody (Extracellular Domain) - Images