C5AR1 Monoclonal Antibody (S5/1)
Catalog Number MA5-16937

Product Specific Information

Predicted to react with mustelid based on sequence homology.

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10^6 cells in 100 µL.

Background/Target Information

C5AR1 is an C5a Anaphylatoxin Receptor that mediates the effects of one of the most potent chemotactic agents known. C5AR1 has been implicated in asthma, and its expression has been reported in myeloid blood cells, brain, liver, lung, spleen, heart, kidney, and intestinal tract. C5AR1 is the receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. Functionally, C5AR1 stimulates chemotaxis, granule enzyme release and superoxide anion production. C5a is likely a component of the classical pathway of the complement cascade; it may be involved with tissue injury associated with ischemia or sepsis and it may be a component of the membrane attack complex. Diseases associated with C5AR1 include Mannose-Binding Lectin Deficiency and Systemic Lupus Erythematosus.