**BACKGROUND**

Eotaxin is a member of the C-C or β family of chemokines which is characterized by a pair of adjacent cysteine residues. Eotaxin was first purified from the bronchoalveolar lavage fluid of guinea pigs challenged with an aerosol allergen, and serves as a potent chemoattractant for eosinophils. Eosinophilia is a prominent feature of several allergic conditions and is thought to be a central event in maladies such as bronchial asthma, dermatitis, conjunctivitis and possibly inflammatory bowel disease. The cognate eotaxin receptor has been identified. Originally described as mouse orphan receptor (MIP-1α receptor-like 2), CRK-3 has been shown to not only serve as the high affinity receptor for eotaxin, but also for RANTES and MCP-3. CRK-3 is expressed on the cell surface of primary eosinophils and does not bind to other members of the C-C or C-X-C family of chemokines. CRK-3 also serves as a co-receptor for a restricted subset of viruses.

**CHROMOSOMAL LOCATION**

Genetic locus: CCL11 (human) mapping to 17q12; Cc11 (mouse) mapping to 11 C.

**SOURCE**
eotaxin (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of eotaxin of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Blocking peptide available for competition studies, sc-6181 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**APPLICATIONS**
eotaxin (C-19) is recommended for detection of eotaxin of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000). Suitable for use as control antibody for eotaxin siRNA (h): sc-43753, eotaxin siRNA (m): sc-63310, eotaxin shRNA Plasmid (h): sc-43753-SH, eotaxin shRNA Plasmid (m): sc-63310-SH, eotaxin shRNA (h) Lentiviral Particles: sc-43753-V and eotaxin shRNA (m) Lentiviral Particles: sc-63310-V.

Molecular Weight of eotaxin: 8 kDa.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunohistochemistry: use Immunocruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

**DATA**

![Western blot analysis of human recombinant eotaxin (A, B, C). Antibodies tested include eotaxin (C-19): sc-6181 (A), eotaxin (M-19): sc-6182 (B) and eotaxin (R-19): sc-6183 (C).](image)

![Western immunoperoxidase staining of formalin fixed, paraffin-embedded human upper stomach tissue showing cytoplasmic staining of glandular cells.](image)

**SELECT PRODUCT CITATIONS**


**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

**MONOS Satisfaction Guaranteed**

Try eotaxin (C-3): sc-373767 or eotaxin (G-12): sc-373764, our highly recommended monoclonal alternatives to eotaxin (C-19).