

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                          |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human CCL26/Eotaxin-3 in direct ELISAs and Western blots.                              |
| <b>Source</b>                                                                                                                                                                                           | Monoclonal Rabbit IgG Clone # 2152H                                                            |
| <b>Purification</b>                                                                                                                                                                                     | Protein A or G purified from cell culture supernatant                                          |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant human CCL26/Eotaxin-3<br>Thr24-Leu94<br>Accession # Q9Y258 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                   |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Eotaxin-3, also named CCL26 or SCYA26, is a novel human CC chemokine that maps to chromosome 7q11.2, within 40 kilobases of the Eotaxin-2 loci. Eotaxin-3/CCL26 has been shown to be constitutively expressed in the heart and ovary. In addition, low levels of Eotaxin-3/CCL26 expression can also be detected in various tissues. The expression of Eotaxin-3/CCL26 in vascular endothelial cells has been shown to be up-regulated by IL-13 and IL-4.

Eotaxin-3/CCL26 cDNA encodes a 94 amino acid (aa) residue protein with a putative signal peptide of either 23 or 26 aa residues. Recombinant Eotaxin-3/CCL26 has been produced in insect cells using a baculovirus expression system and shown to contain 71 aa residues. Recombinant Eotaxin-3/CCL26 is chemotactic for eosinophils and PHA-activated T cells. Eotaxin-3/CCL26 induces calcium flux in eosinophils as well as in CCR3-transfected cells. Eotaxin-3/CCL26 has also been shown to cross-desensitize cells to other CCR3 ligands. Both the 71 aa residue and 68 aa residue variants of recombinant Eotaxin-3 have been expressed in *E. coli* and found to have equal potency in inducing chemotaxis of a human CCR3-transfected cell line.

#### PRODUCT SPECIFIC NOTICES

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