SANTA CRUZ BIOTECHNOLOGY, INC.

# eotaxin-2 (500-M31): sc-57103

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*The Power to Question*

## BACKGROUND

Chemokines have been implicated in the regulation of stem/progenitor cell proliferation and movement. The C-C chemokine eotaxin-2 (also known as MPIF-2, CK β-6 or small inducible cytokine A24), which promotes chemotaxis and $Ca^{2+}$ mobilization in human eosinophils, exerts its activity solely through the CCR3 receptor. In addition, eotaxin-2 lacks suppressive activity against immature subsets of myeloid progenitors, which have been stimulated to proliferate by multiple growth factors. While eotaxin-2 is functionally similar to eotaxin, they share only 39% amino acid homology and differ almost completely in the $NH_2$-terminal region.

## REFERENCES


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4. Elsner, J., et al. 1998. Eotaxin-2 activates chemotaxis-related events and release of reactive oxygen species via pertussis toxin-sensitive G proteins in human eosinophils. Eur. J. Immunol. 28: 2152-2158.
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8. Schaefer, D., et al. 2006. Endothelial and epithelial expression of eotaxin-2 (CCL24) in nasal polyps. Int. Arch. Allergy Immunol. 140: 205-214.
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## CHROMOSOMAL LOCATION

Genetic locus: CCL24 (human) mapping to 7q11.23.

## SOURCE

eotaxin-2 (500-M31) is a mouse monoclonal antibody raised against recombinant eotaxin-2 of human origin.

## PRODUCT

Each vial contains 100 µg $IgG_1$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

eotaxin-2 (500-M31) is recommended for detection of eotaxin-2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for eotaxin-2 siRNA (h): sc-63311, eotaxin-2 shRNA Plasmid (h): sc-63311-SH and eotaxin-2 shRNA (h) Lentiviral Particles: sc-63311-V.

Molecular Weight of eotaxin-2: 10 kDa.

## 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.

## PROTOCOLS

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