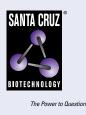
SANTA CRUZ BIOTECHNOLOGY, INC.

eotaxin-3 (500-M32): sc-65349



BACKGROUND

Chemokines have been implicated in the regulation of stem/progenitor cell proliferation and movement. C-C chemokines myeloid progenitor inhibitory factor-1 (MPIF)-1 and eotaxin-2 (also known as MPIF-2, CK β -6 or small inducible cytokine A24) both map to chromosome 7q11.23. MPIF-1 has chemotactic activity on dendritic cells derived from either peripheral blood monocytes or cord blood CD34⁺ progenitors. It is also a potent suppressor of bone marrow low proliferative potential colony-forming cells. Eotaxin-2, which promotes chemotaxis and Ca²⁺ 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. A related C-C chemokine, eotaxin-3, shares only 33% amino acid identity with eotaxin-2, but shares many characteristics with eotaxin-2. Eotaxin-3 induces migration of eosinophils and basophils at a 10-fold higher concentration than eotaxin-2. The gene which encodes eotaxin-3 maps to human chromosome 7q11.23.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCL26 (human) mapping to 7q11.23.

SOURCE

eotaxin-3 (500-M32) is a mouse monoclonal antibody raised against recombinant eotaxin-3 of human origin.

PRODUCT

Each vial contains 100 $\mu g~lg G_1$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

eotaxin-3 (500-M32) is recommended for detection of eotaxin-3 of human origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for eotaxin-3 siRNA (h): sc-63312, eotaxin-3 shRNA Plasmid (h): sc-63312-SH and eotaxin-3 shRNA (h) Lentiviral Particles: sc-63312-V.

Molecular Weight of eotaxin-3: 11 kDa.

STORAGE

Store at 4° C, **D0 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.