eotaxin-2 (NYRhEOT2): sc-73285



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 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. While eotaxin-2 is functionally similar to eotaxin, they share only 39% amino acid homology and differ almost completely in the NH2-terminal region.

REFERENCES

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CHROMOSOMAL LOCATION

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

SOURCE

eotaxin-2 (NYRhEOT2) is a mouse monoclonal antibody raised against recombinant eotaxin-2 of human origin.

PRODUCT

Each vial contains 100 $\mu g \log G_1$ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

eotaxin-2 (NYRhEOT2) is recommended for detection of eotaxin-2 of 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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.

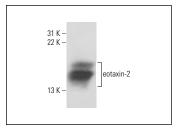
Molecular Weight of eotaxin-2: 10 kDa.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-lgGκ BP-HRP: sc-516102 or m-lgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



eotaxin-2 (NYRhEOT2): sc-73285. Western blot analysis of eotaxin-2 expression in human recombinant eotaxin-2.

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.