



HCC-4 (N-12): sc-33229

BACKGROUND

The human β -cytokine HCC-4 (also designated small inducible cytokine A16, CCL16, IL-10 inducible chemokine, chemokine CC-4, NCC-4, liver expressed chemokine (LEC), LMC, Monotactin-1, MTN-1, lymphocyte and monocyte chemoattractant, or LCC-1) displays chemotactic activity for monocytes and dendritic cells. The 11 kDa HCC-4 maps to chromosome 17q11.2, where three other CC chemokines, MIPF-1, HCC-2, and HCC-1 are clustered within a 40 kb region. HCC-4 expression, which is uniquely upregulated by IL-10, demonstrates chemotactic activity for monocytes. The ability of HCC-4 to markedly improve recognition of poorly immunogenic cells suggests that it could be an effective component of antitumor vaccines.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCL16 (human) mapping to 17q11.2.

SOURCE

HCC-4 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of HCC-4 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-33229 P, (100 μ g 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.

APPLICATIONS

HCC-4 (N-12) is recommended for detection of HCC-4 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (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 HCC-4 siRNA (h): sc-39353.

Molecular Weight of HCC-4: 13.6 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) 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.

RESEARCH USE

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

PROTOCOLS

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