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c-Fms/CSF-1R (m2): 293T Lysate: sc-118887

BACKGROUND

c-Fms/CSF-1R, also designated macrophage colony-stimulating factor receptor (M-CSFR), FIM2 or CD115, is a transmembrane tyrosine kinase receptor belonging to the CSF1/PDGF receptor family. It is encoded by the c-Fms proto-oncogene and is expressed in mononuclear phagocytes, oocytes, decidual cells, trophoblastic cells and some myoblasts. It is important for growth and differentiation of myeloid cells and its function can be regulated by SLAP-2. c-Fms/CSF-1R is responsible for mediating all of the functions of M-CSF. M-CSF is a glycoprotein required for the proliferation and differentiation of mononuclear phagocytes, including osteoclasts. M-CSF has also been identified as an important mediator of the inflammatory response and can regulate the release of proinflammatory cytokines from macrophages.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Csf1r* (mouse) mapping to 18 E1.

PRODUCT

c-Fms/CSF-1R (m2): 293T Lysate represents a lysate of mouse c-Fms/CSF-1R transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

c-Fms/CSF-1R (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive c-Fms/CSF-1R antibodies. Recommended use: 10-20 µl per lane.

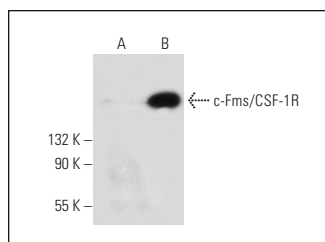
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

c-Fms/CSF-1R (D-8): sc-365719 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse c-Fms/CSF-1R expression in c-Fms/CSF-1R transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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.

DATA



c-Fms/CSF-1R (D-8): sc-365719. Western blot analysis of c-Fms/CSF-1R expression in non-transfected: sc-117752 (A) and mouse c-Fms/CSF-1R transfected: sc-118887 (B) 293T whole cell lysates.

RESEARCH USE

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