

Materials List for:

Effect of Anti-c-fms Antibody on Osteoclast Formation and Proliferation of Osteoclast Precursor In Vitro

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URL: <https://www.jove.com/video/59089>

DOI: [doi:10.3791/59089](https://doi.org/10.3791/59089)

Materials

Name	Company	Catalog Number	Comments
Anti-c-Fms antibody			AFS98, a rat monoclonal, antimurine, c-Fms antibody (IgG2a)
TNF-α			Recombinant murine TNF-α prepared in our laboratory. TNF-α cDNA fragment cloned by RT-PCR and cloned into a pGEX-6P-I (Amersham Biosciences, Piscataway, NJ) to generate a GST-fusion protein. GST-TNF-α was expressed in Escherichia coli BL21 cells (Stratagene, La Jolla, CA). The cells were lysed under nondenaturing conditions and GST-TNF-α was purified over a glutathione-Sepharose column. GST was cleaved off by PreScission Protease (Amersham Biosciences) by manufacturer's directions and was removed by a glutathione-Sepharose column.
RANKL	PEPROTECH	315-11	Recombinant Murine sRANK Ligand, Source: E.coli
M-CSF			Recombinant human M-CSF. 1/10 vol of CMG14-12 cell line culture supernatant at 5X10 ⁶ cells in a 10-cm suspension culture dish.
α-MEM	Wako		with L-Glutamine and phenol red
Fetal Bovine Serum	Biowest	s1820-500	Fetal Bovine Serum French Origin
Culture dish	Corning		100 mm x 20 mm style dish
96-well plate	ThermoFischer Scientific		Nun clon Delta surface
Cell counting kit-8	Dojindo, Kumamoto, Japan		
Microplate reader	Sunrise REMOTE; Tekan Japan, Kawasaki, Japan		
Cell strainer	Corning		40 μm Nylon
Centrifuge tube	Corning		50 mL CentriStar cap
Triton X-100	Wako		Polyoxyethylene (10) Octyphenyl ether