Supplementary Table S1. Reagents for MC generation	
Name	Preparation
Conditioned medium containing murine SCF produced by CHO-cells	0.5 x 10^6 CHO-cells (kindly provided by Dr. P. Dubreuil, Marseille, France) were cultured in 20 mL DMEM (Gibco) containing high glucose, GlutaMAX™, 10% fetal calf serum (Sigma-Aldrich) and 1% penicillin/streptomycin (Gibco) in T175 flasks. Confluent cultures were split 1:4 to 1:8 every 4-7 days with 0.25% trypsin/0.53 mM EDTA. Before splitting, supernatant from various flasks was pooled and stored at 4˚C. Pooled supernatant fractions collected during maximally 3 weeks of culture were pooled and filtered using a 0.22 µM syringe filter, aliquoted and stored at - 20˚C for up to 12 months.
MC medium I	StemSpan™ Serum-Free Expansion Medium (STEMCELL Technologies) supplemented with 1% penicillin/streptomycin (Gibco), 10 ng/mL recombinant human (rh) IL-3 (Peprotech), 50 ng/mL rhIL-6 (Peprotech), 3% CHO-supernatant (prepared as described above) and 10 µg/mL human low-density lipoproteins (hLDL, STEMCELL Technologies)
MC medium II	IMDM medium with GlutaMAX-I (Gibco) supplemented with 50 µM 2-mercaptoethanol (Sigma-Aldrich), 0.5% bovine serum albumin (Sigma-Aldrich), 1% Insulin-Transferrin-Selenium (Gibco), 1% penicillin/streptomycin (Gibco), 50 ng/mL rhIL-6 (Peprotech) and 3% CHO-supernatant (prepared as described above)

Supplementary Table S2. Monoclonal antibodies and live/death stain for flowcytometry analysis				
Nr	Name	Clone	Cat #	Manufacturer
1	HLA-DR-Pacific Blue	L243	980404	Biolegend
2	MRGX2-Alexa Fluor 488	477533	IC4727G-100UG	R&D systems
3	FcεR1α -APC	AER-37	334612	Biolegend
4	CD9-APC-H7	M-L13	655409	BD Biosciences
5	CD13-BV421	WM15	562596	BD Biosciences
6	CD63-FITC	CLB-gran/12	MHCD6301-4	Invitrogen
7	CD203c-PE	97A6	IM3575	Beckman Coulter
8	CD11b-APC	D12	340937	BD Biosciences
9	CD71-APC-H7	M-A712	563671	BD Biosciences
10	CD69-Brilliant Violet 421	FN50	310929	Biolegend
11	CD40-FITC	LOB7/6	MCA1590F	Bio-rad
12	CD30-PE	BerH8	550041	BD Biosciences
13	CD33-APC	P67.6	664455	BD Biosciences
14	CD38-APC-H7	HB7	656646	BD Biosciences
15	CD34-PerCP-Cy5.5	8G12	347203	BD Biosciences
16	CD45-Pacific Orange	HI30	MHCD4530	Invitrogen
17	CD117-PC7	104D2D1	B49221	Beckman Coulter
18	CD63-APC	MEM-259	MA1-19281	Invitrogen
19	7-AAD		559925	BD Biosciences