

Materials List for:

Detection of True IgE-expressing Mouse B Lineage Cells

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Materials

Name	Company	Catalog Number	Comments
Anti-Mouse IgE FITC	BD Pharmingen	553415	clone R35-72
Rat Anti-Mouse IgG1 PE	BD Pharmingen	550083	clone A85-1
Methanol	BDH	BDH1135-4LP	Keep at -20 °C
Falcon Cell Strainer 40 µm Nylon	Corning	352340	
Falcon Cell Strainer 70 µm Nylon	Corning	352350	
Anti-Hu/Mo CD45R(B220) PerCP-Cy5.5	eBioscience	45-4052-82	clone RA3-6B2
anti-Mouse/Rat CD40	eBioscience	16-0402-85	clone HM40-3
RPMI Medium 1640	Gibco	11875-093	
HEPES (1M)	Gibco	15630-080	
MEM-NEAA (100x)	Gibco	11140-050	
Phosphate Buffered Saline (10x)	Lifetechnologies (Corning)	46-013-CM	
MACS CD45R (B220) microbeads	Miltenyi Biotec	130-049-501	
MACS purification column	Miltenyi Biotec	130-042-401	
IL-4	PeproTech	214-14	Reconstitute in water or 0.1% BSA
Formalin Solution, Neutral Buffered, 10%	Sigma Aldrich	HT501128-4L	
Trypsin-EDTA Solution (10x)	Sigma Aldrich	T4174-100 ml	5.0 g Trypsin, 2.0 g EDTA•4 Na per Liter of 0.9% NaCl
Penicillin-Streptomycin	Sigma Aldrich	P0781-100 ml	10,000 U Penicillin; 10 mg/ml Streptomycin (100x)
L-Glutamine 200 mM	Sigma Aldrich	G7513	
2-mercaptoethanol (99%)	Sigma Aldrich	M6250-100 ml	
Red cell lysis buffer	Sigma Aldrich	R7757	
Rat Anti-Mouse IgM RPE/Cy7	SouthernBiotech	1140-17	clone 1B4B1
HyClone Fetal Calf Serum	Thermo	SH30910.03	
B cell Stimulation media			B cell stimulation media consists of RPMI with fetal calf serum (15%), 20 mM HEPES, 1x MEM-NEAA, 2.0 mM L-glutamine, 1x Penicillin-Streptomycin (Penicillin: 100 U/ml, Streptomycin: 100 µg/ml), Beta-mercaptoethanol (7 µL/L), IL-4 (20 ng/ml), and anti-CD40 (1 µg/ml)