

# B Cell Research Tools

InnoCyto

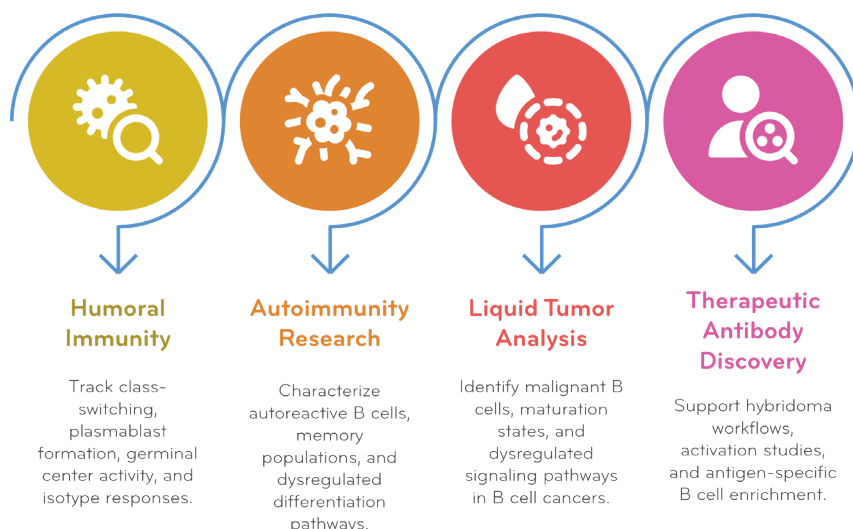
High Performance Products for Deciphering  
B cell Immunology

## WHY INNOCYTO FOR B CELLS?

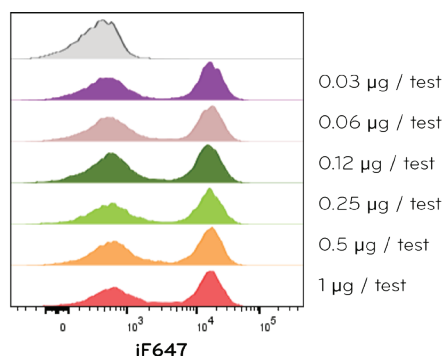
B cell researchers choose InnoCyto because our high-performance antibodies and recombinant proteins deliver precise B cell identification, reliable functional readouts, and seamless integration into both basic research and translational workflows. Our curated marker panels, including CD19, CD20, CD45R, and key activation markers, ensure accurate gating and phenotype resolution, while rigorous lot-to-lot validation guarantees consistent performance across experiments. Designed for flow cytometry and compatible with diverse assay formats, InnoCyto reagents provide the clarity, reproducibility, and dependability required by immunologists provided at unmatched pricing.

## KEY APPLICATIONS

B cells play essential roles in adaptive immunity, antibody production, antigen presentation, and immune memory. InnoCyto provides high-quality antibodies and recombinant proteins tailored for comprehensive B cell phenotyping, activation analyses, and germinal center research. Whether you're dissecting B cell maturation or evaluating humoral immune responses, InnoCyto ensures reliable, reproducible results.



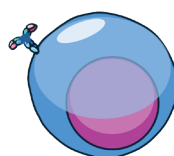
## iF647 anti-Mouse CD19 Titration



Mouse splenocytes were stained either iF647 Anti-Mouse CD19 clone 1D3 at the indicated concentrations (colored histograms) or an isotype control (gray histogram).

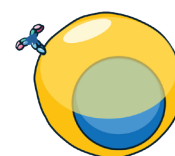
## Example Marker Sets

### Core B Cell Identification Panel



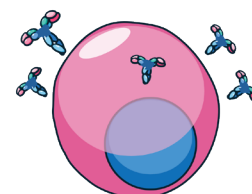
CD19  
CD20  
CD21  
IgD / IgM  
*Excluding:* CD3, CD14, CD56

### Memory & Activated B Cell Panel



CD27  
CD38  
CD86  
HLA-DR  
CD40

### Germinal Center & Plasma Cell Panel



CXCR5  
CD95 (Fas)  
CD10  
CD138 (syndecan-1)  
Blimp-1

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Primary Antibodies

Antigen	Antibody Clones	Formats
Human   CD2, LFA-2, SRBC-R	OKT11	FITC, Purified, iF488, iF647
Human   CD11b, ITGAM, integrin $\alpha$ M, CR3	O11bAB, O11bAM1	Biotin, Purified, iF488, iF647
Human, Mouse   CD11b, ITGAM, integrin $\alpha$ M, CR3	M1/70	APC, Biotin, FITC, PE, Purified, iF488, iF647
Mouse   CD11c, integrin $\alpha$ chain, CR4, ITGAX	N418	FITC, Purified
Human   CD19, B4, CVID3, MGC12802	O19AM2b, O19BB, HIB19, SJ25C1	APC, Biotin, FITC, PB, PE, Purified, iF488, iF560, iF647
Mouse   CD19, B4, CVID3, Leu-12, MGC12802	1D3, 6D5	APC, Biotin, FITC, PE, Purified, iF488, iF647
Human   CD20, MS4A-1, MS4A1	O20AR1, 2H7	APC, Biotin, FITC, PE, Purified, iF488, iF647
Human   CD21, C3dR, CR2, EBV receptor	THB5	APC, Biotin, FITC, PE, Purified, iF488, iF647
Human   CD22, BL-CAM, Siglec-2	HIB22	FITC, Purified, iF488, iF647
Human   CD38, gp45, ADP-ribosyl cyclase	HB-7, HIT2	APC, FITC, PE, Purified, iF488, iF647
Human, Mouse   CD44, Epican, ECMR-III, PGP-1	IM7	APC, Purified, iF647
Human, Mouse   CD45, Ly-5, LCA, T200	30-F11	APC, FITC, Purified, iF647
Human   CD45, LCA, T200	HI30	APC, Biotin, FITC, PE, PE/Cyanine 5.5, PE/iF594 , Purified, iF405, iF488, iF647
Human   CD45, Ly-5, LCA, T200	O45AB, 2D1	APC, Biotin, FITC, PB, PE, Purified, iF488, iF560, iF647
Human, Mouse   CD45R, B220	RA3-6B2	Biotin, FITC, PE, PE/Cyanine7, Purified, iF488, iF647
Human   CD45RA, GPI80, LY5, LCA, PTPRC	HI100	APC, Biotin, FITC, PE, Purified, iF647
Mouse   CD62L, LAM-1, L-selectin, Ly-22	MEL-14	PE, Purified, iF488
Human   CD69, VEA	FN50	PE, PE/Cyanine7, Purified, iF647
Human   CD81, S5.7, CVID6, TSPAN28	O81AM2b, 5A6	APC, Biotin, FITC, PB, PE, Purified, iF405, iF488, iF647
Human   CD95, Fas, TNFRSF6, Apo-1	DX2	APC, FITC, PE, Purified, iF488, iF647
Human   CD127, IL-7 receptor $\alpha$ chain, IL-7R $\alpha$	127AB, 127AM1	APC, PB, PE, PE/Cyanine7, Purified, iF488, iF560, iF647
Human   CD137, 4-1BB, ILA, TNFRSF9	4B4-1	Purified, iF647
Mouse   CD150, SLAM, IPO-3	TC15-12F12.2	Purified, iF488
Human   CD184, CXCR4	184AM1	Purified
Human   CD197, CCR7, BLR2, EBI1, CMKBR7	197AM2a, 197AR2a	APC, Biotin, FITC, PE, Purified, iF488, iF647
Mouse   CD198, CCR8, CC-CKR-8, Ter1	m198AR2b	Biotin, FITC, Purified, iF488, iF647
Mouse   CD274, PD-L1, B7-H1	10F.9G2	APC, Biotin, FITC, PE, Purified, iF647
Human   CD279, PD1, PD-1	279AM1, EH12.2H7	Purified, iF560, iF647
Human   HLA-DR, MHC class II	1003AB, L243	APC, Biotin, FITC, PB, PE, Purified, iF488, iF647
Mouse   Ly-6A/E, Sca-1	D7	Purified, iF488, iF647

Recombinant Proteins

Protein Name	Species	Format
CD19, B4, CVID3	Human	APC, Biotin, PE, Purified
CD20, B1, Bp35, MS4A1	Human	APC, PE
CD22, SIGLEC2, BL-CAM	Human	APC, Biotin, PE, Purified
CD38, T10, cADPr 1	Human	APC, Biotin, PE, Purified
CD200, MOX1, MOX2, MRC, OX-2	Cynomolgus monkey	Purified
CD200, MOX1, MOX2, MRC, OX-2	Human	APC, Biotin, PE, Purified
CD200, MOX1, MOX2, MRC, OX-2	Mouse	APC, Biotin, PE, Purified
CD200R, CRTR2, MOX2R, OX2R	Human	APC, Biotin, PE, Purified
CD200R, CRTR2, MOX2R, OX2R	Mouse	APC, Biotin, PE, Purified

Protein Name	Species	Format
CD269, TNFRSF17, BCMA	Human	APC, Biotin, PE, Purified
CD273, PDL2, Butyrophilin B7-DC	Human	APC, Biotin, PE, Purified
CD274, PD-L1, B7-H1, PDCD1L1	Rhesus monkey	Purified
CD274, PD-L1, B7-H1, PDCD1L1	Human	APC, Biotin, PE, Purified
CD279, PD1, PDCD1, SLEB2	Human	APC, Biotin, PE, Purified
Human IgG1-Fc protein	Human	Purified
Human IgG1-Fc with multiple tags (hIgG1-Fc-Myc-Avi-V5-DYKDDDDK-HA-His)	Human	Purified
Human IgM-Fc protein	Human	Purified