

Flow Cytometers for Research and Industry

CyFlow Cube Series

Reliable, Compact and
Economical Flow
Cytometers with
Great Performance



CUBE 8



CUBE 6

Technical specifications

Lasers / LEDs	Detectors	Exemplary dyes	Available for
BLUE LASER 488 nm (50 mW fixed/ adjustable to 200 mW for Cube 8)	Green Orange Orange Red Red I Red II Far Red	FITC / GFP / Alexa Fluor® 488 PE PE-Texas Red® / PI PE-Cy5 / PerCP PE-Cy5.5 / PerCP-Cy™ 5.5 PE-Cy7	Cube 6, Cube 8
RED LASER 638 nm (25 mW) 640 nm (40 mW)	Red I Red II Far Red	APC / APC-Cy™ 5 APC-Cy™ 5.5 / Cy™ 5.5 APC-Cy™ 7	Cube 6, Cube 8
VIOLET LASER 405 nm (100 mW)	Blue Green Orange	Pacific Blue™ / Alexa Fluor® 405 / CFP Cyan / AmCyan / brilliant violet™ 510 Pacific Orange™ / brilliant violet™ 605	Cube 8
UV LASER 375 nm (60 mW) HIGH-POWER UV LED 365 nm	Blue	DAPI / Hoechst 3342	Cube 8
GREEN LASER 532 nm (30 / 100 mW)	Orange Red	mStrawberry / PE mCherry / PI / PE-Texas Red®	Cube 8
YELLOW LASER 561 nm (100 mW)	Orange Red	PE / DS Red / PE-Texas Red® PE-Cy5 / PI / mCherry	Cube 8
ORANGE LASER 594 nm (50 mW)	Orange Red Red Far Red	Texas Red® / Alexa Fluor® 594 / mStrawberry APC / mCherry mPlum	Cube 8

Available light sources and exemplary detector configurations (various filters available)

Most common CD Markers for Flow Cytometry



Item	marker	clone	Pacific Blue™ 455 nm	FITC 518 nm	Alexa Fluor™ 488 519 nm	Pacific Orange™ 551 nm	PE 576 nm	PE-DyLight™ 594 618 nm	APC 660 nm	Alexa Fluor™ 647 665 nm	PE-Cy5 670 nm	PerCP 678 nm	PerCP-Cy5.5 695 nm	Alexa Fluor™ 700 723 nm	APC-Cy7 780 nm	PE-Cy7 785 nm	Biotin	Azide Free	HRP	Low Endotoxin	Purified
CD3	T-Cells (General)	MEM-57	■	■			■	■	■			■		■			■			■	□
		* UCHT1	■	■	■		■	■	■		■	■	■	■	■	■	■			■	□
CD4	Treg cell	* MEM-241	■	■	■		■	■	■		■	■	■	■	■	■	■				□
CD8	Cytotoxic T-Cells	* MEM-31	■	■	■		■	■	■		■	■	■	■	■	■	■				□
CD11c	Dendritic Cells	BU15	■	■			■		■			■	■		■	■					□
CD14	Monocytes	MEM-15	■	■	■		■	■	■		■	■	■	■	■	■	■				□
CD19	B Cells	4G7		■	■		■	■	■		■	■	■	■		■	■				□
CD20	B Cells	2H7	■	■			■	■	■		■	■	■	■	■	■	■				□
CD25	Treg cell	MEM-181	■	■			■	■	■		■	■	■	■		■	■				□
CD33	Macrophages	WM53		■			■		■		■	■	■	■	■	■				■	□
CD34	Hematopoietic Stem Cells	581		■			■	■	■		■	■	■			■					□
CD41	Platelets	MEM-06	■	■	■		■		■		■	■		■			■				□
CD45	Leukocytes	* MEM-28	■	■	■		■	■	■	■	■	■	■	■	■	■	■				□
CD45R0	Activated and memory T cells	UCHL1		■			■		■							■					□
CD56	Natural Killer Cells	MEM-188		■			■		■		■	■				■					□
CD61	Platelets	VIPL2		■			■		■			■			■	■					□
CD64	Macrophages	10.1	■	■			■		■	■	■		■	■	■	■	■			■	□
CD80	Antigen-presenting cells	* MEM-233	■	■			■		■		■	■		■		■					□
CD138	Plasma Cell Marker	B-A38		■	■				■			■	■	■				■			□
CD146	Endothelial Cells	P1H12					■														□
CD163	M2 macrophage	* GHI/61					■		■				■			■					□
CD235a	Erythrocytes	JC159		■			■				■										□
HLA-DR	Activated	L243	■	■	■		■		■	■	■		■	■	■	■				■	□
FoxP3	Treg cell	3G3			■		■		■	■											□
Ly6G	Granulocytes	RB6-8C5		■																■	□

*數量有限，欲購從速