2011 June

letter

The EXBIO Catalog Supplement

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New Additions to Rodent Panel
COMMING SOON...

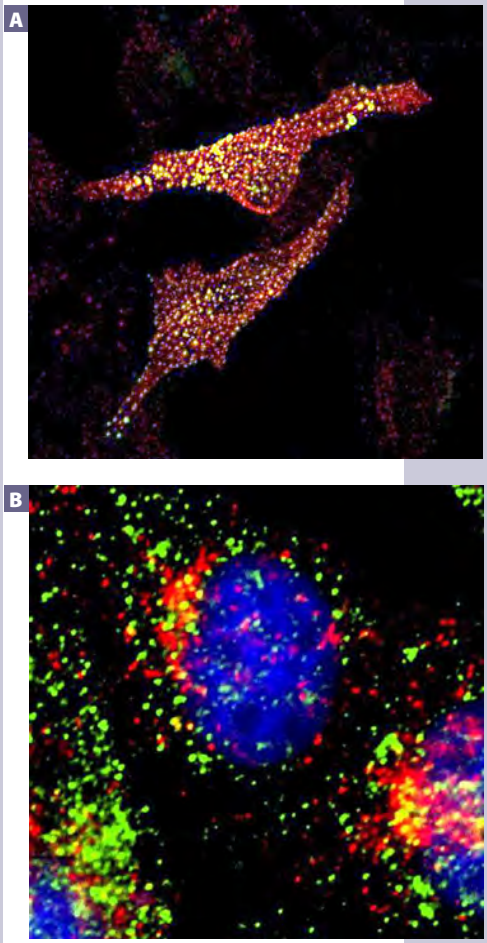
- **We are introducing 13 new antibodies**
- **New formats of the previously published antibodies have been released**
- **Take notice of EXBIO Pacific Blue™ panel of monoclonal antibodies**

New clones

Antigen	Clone	Host	Isotype	Reactivity	Application	Catalog No.	Format	Quantity
CD17	MEM-68	Ms	IgM	Hu	FC	11-666-C025 11-666-C100	Purified Purified	0.025 mg 0.1 mg
CD34	581	Ms	IgG1	Hu, Pri	FC, IHC(F)	11-664-C025 11-664-C100	Purified Purified	0.025 mg 0.1 mg
						1P-664-T025 1P-664-T100	PE PE	25 tests 100 tests
CD36	CB38	Ms	IgM	Hu	FC	11-648-C025 11-648-C100	Purified Purified	0.025 mg 0.1 mg
CD62P	AK4	Ms	IgG1	Hu, Pri	FC, IP, WB, ICC, FUNC: Blocking	10-667-C025 10-667-C100	Azide free Azide free	0.025 mg 0.1 mg
CD63	CLB-gran/12	Ms	IgG1	Hu	FC, ICC	1F-683-T025 1F-683-T100	FITC FITC	25 tests 100 tests
CD80	16-10A1	Ham	IgG2	Ms, Can	FC, IP, IHC(F), FUNC: Blocking	11-627-C100 11-627-C500	Purified Purified	0.1 mg 0.5 mg
CD117	104D2	Ms	IgG1	Hu, Pri, Bov	FC, IP, IHC(F), ICC	11-586-C025 11-586-C100	Purified Purified	0.025 mg 0.1 mg
						1P-586-T025 1P-586-T100	PE PE	25 tests 100 tests
CD158d	mAb#33	Ms	IgG1	Hu	FC, IP, WB, ICC, FUNC: Cytokine secretion studies	11-609-C025 11-609-C100	Purified Purified	0.025 mg 0.1 mg
						1P-609-T025 1P-609-T100	PE PE	25 tests 100 tests
CD180	G28-8	Ms	IgG1	Hu	FC, IP, FUNC: Induction of B cell proliferation	11-637-C025 11-637-C100	Purified Purified	0.025 mg 0.1 mg
GRAP2/ GADS	UW40	Ms	IgG2a	Hu	FC, IP, WB	11-639-C025 11-639-C100	Purified Purified	0.025 mg 0.1 mg
Kappa Light Chains	TB28-2	Ms	IgG1	Hu	FC	11-674-C025 11-674-C100	Purified Purified	0.025 mg 0.1 mg
						PB-674-T025 PB-674-T100	Pacific Blue™ Pacific Blue™	25 tests 100 tests
MRCK α	Polyclonal	Rb	–	Hu	WB, ICC	11-636-C100	Purified	0.1 mg
ZAP-70	1E7.2	Ms	IgG1	Hu, Ms	FC, IP, WB, ICC	11-665-C025 11-665-C100	Purified Purified	0.025 mg 0.1 mg
						1P-665-T025 1P-665-T100	PE PE	25 tests 100 tests

New formats

Antigen	Clone	Host	Isotype	Reactivity	Application	Catalog No.	Format	Quantity
CD3	UCHT1	Ms	IgG1	Hu, Pri	FC, IP, IHC(F), FUNC: T cell activation and proliferation (immobilized antibody)	1A-514-T025 1A-514-T100	APC APC	25 tests 100 tests
						PC-514-T025 PC-514-T100	PerCP PerCP	25 tests 100 tests
CD26	BA5b	Ms	IgG2a	Hu	FC	PB-608-T025 PB-608-T100	Pacific Blue™ Pacific Blue™	25 tests 100 tests
CD48	MEM-102	Ms	IgG1	Hu, Pri	FC, IP, WB, IHC(P)	1P-226-T025 1P-226-T100	PE PE	25 tests 100 tests
CD95	LT95	Ms	IgG1	Hu	FC, IHC(P)	1A-362-T025 1A-362-T100	APC APC	25 tests 100 tests
						A7-362-T025 A7-362-T100	Alexa Fluor® 700 Alexa Fluor® 700	25 tests 100 tests
CD135	BV10A4	Ms	IgG1	Hu	FC, IP	1P-609-T025 1P-609-T100	PE PE	25 tests 100 tests
CD138	B-A38	Ms	IgG1	Hu	FC, IHC	PC-520-T025 PC-520-T100	PerCP PerCP	25 tests 100 tests
						A7-520-T025 A7-520-T100	Alexa Fluor® 700 Alexa Fluor® 700	25 tests 100 tests
CD140b	18A2	Ms	IgG1	Hu	FC, ICC	1A-590-T025 1A-590-T100	APC APC	25 tests 100 tests
CD162	TC2	Ms	IgG1	Hu	FC	1P-603-T025 1P-603-T100	PE PE	25 tests 100 tests
CD324	67A4	Ms	IgG1	Hu	FC, IP, WB, IHC(F), ICC	1A-588-T025 1A-588-T100	APC APC	25 tests 100 tests
FoxP3	3G3	Ms	IgG1	Hu, Ms	FC, WB	A4-601-C025 A4-601-C100	Alexa Fluor® 488 Alexa Fluor® 488	0.025 mg 0.1 mg
c-Myc	9E10	Ms	IgG1	Hu	FC, IP, WB, IHC(P)	A4-433-C025 A4-433-C100	Alexa Fluor® 488 Alexa Fluor® 488	25 tests 100 tests
–	MOPC-21	Ms	IgG1	Ms	IgG1 Isotype Control	1F-632-C025 1F-632-C100	FITC FITC	0.025 mg 0.1 mg



Immunostaining with polyclonal anti-MRCK α
A: Colocalization between endogenous MRCK (red) and transferrin-Dyomics 547 (green) after 10 min. incubation of the cells with transferrin-Dyomics 547.
B: Colocalization between endogenous MRCK (red) and transfected MRCK-EGFP (green).

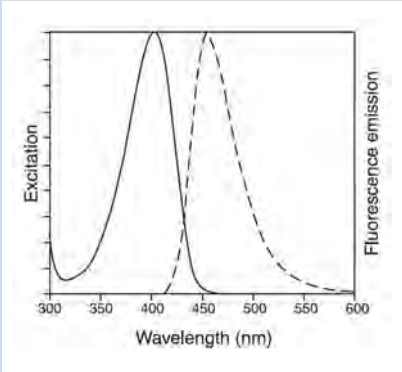
Focus on EXBIO Pacific Blue™ conjugates

Human panel

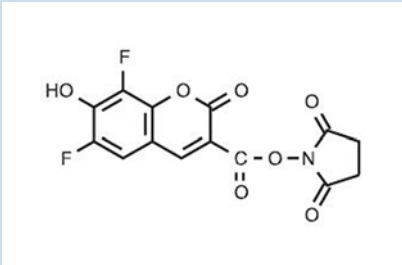
Antigen	Clone	Host	Isotype	Catalog No.	Quantity
CD2	LT2	Ms	IgG2b	PB-492-T025	25 tests
				PB-492-T100	100 tests
CD3	MEM-57	Ms	IgG2a	PB-202-T025	25 tests
				PB-202-T100	100 tests
CD4	MEM-241	Ms	IgG1	PB-359-T025	25 tests
				PB-359-T100	100 tests
CD5	CRIS1	Ms	IgG2a	PB-482-T025	25 tests
				PB-482-T100	100 tests
CD6	MEM-98	Ms	IgG1	PB-205-T025	25 tests
				PB-205-T100	100 tests
CD7	MEM-186	Ms	IgG1	PB-206-T025	25 tests
				PB-206-T100	100 tests
CD8	MEM-31	Ms	IgG2a	PB-207-T025	25 tests
				PB-207-T100	100 tests
CD9	MEM-61	Ms	IgG1	PB-208-T025	25 tests
				PB-208-T100	100 tests
CD10	MEM-78	Ms	IgG1	PB-209-T025	25 tests
				PB-209-T100	100 tests
CD11a	MEM-25	Ms	IgG1	PB-210-T025	25 tests
				PB-210-T100	100 tests
CD11c	BU15	Ms	IgG1	PB-529-T025	25 tests
				PB-529-T100	100 tests
CD14	MEM-18	Ms	IgG1	PB-212-T025	25 tests
				PB-212-T100	100 tests

Pacific Blue™

- **The dye of choice for the first violet channel**
- **A UV-light excitable dye based on the 6,8-difluoro-7-hydroxy-coumarin fluorophore**



Normalized excitation and emission spectra of Pacific Blue™ dye conjugated ions to goat anti-mouse IgG in pH 8.0 buffer. (Picture taken from Molecular Probes promotional material.)



Pacific Blue™ dye, succinimidyl ester (MW ~340).
(Picture taken from Molecular Probes promotional material.)

- **Excited optimally at ~410 nm with emission maximum at ~455 nm**
- **Minimal spectral overlap with green fluorophores**
- **Brighter than Alexa Fluor® 405 dye**

Focus on EXBIO Pacific Blue™ conjugates

Antigen	Clone	Host	Isotype	Catalog No.	Quantity
CD14	MEM-15	Ms	IgG1	PB-293-T025	25 tests
				PB-293-T100	100 tests
CD16	LNK16	Ms	IgG1	PB-399-T025	25 tests
				PB-399-T100	100 tests
CD177	MEM-166	Ms	IgG1	PB-314-T025	25 tests
				PB-314-T100	100 tests
CD18	MEM-48	Ms	IgG1	PB-216-T025	25 tests
				PB-216-T100	100 tests
CD19	LT19	Ms	IgG1	PB-305-T025	25 tests
				PB-305-T100	100 tests
CD20	LT20	Ms	IgG2a	PB-414-T025	25 tests
				PB-414-T100	100 tests
CD21	LT21	Ms	IgG1	PB-306-T025	25 tests
				PB-306-T100	100 tests
CD22	IS7	Ms	IgG1	PB-506-T025	25 tests
				PB-506-T100	100 tests
CD24	SN3	Ms	IgG1	PB-503-T025	25 tests
				PB-503-T100	100 tests
CD25	MEM-181	Ms	IgG1	PB-218-T025	25 tests
				PB-218-T100	100 tests
CD26	BA5b	Ms	IgG2a	PB-608-T025	25 tests
				PB-608-T100	100 tests
CD27	LT27	Ms	IgG2a	PB-308-T025	25 tests
				PB-308-T100	100 tests
CD28	CD28.2	Ms	IgG1	PB-577-T025	25 tests
				PB-577-T100	100 tests
CD29	MEM-101A	Ms	IgG1	PB-219-T025	25 tests
				PB-219-T100	100 tests
CD31	MEM-05	Ms	IgG1	PB-273-T025	25 tests
				PB-273-T100	100 tests
CD33	HIM3-4	Ms	IgG1	PB-365-T025	25 tests
				PB-365-T100	100 tests
CD34	4H11[APG]	Ms	IgG1	PB-297-T025	25 tests
				PB-297-T100	100 tests
CD38	HIT2	Ms	IgG1	PB-366-T025	25 tests
				PB-366-T100	100 tests
CD41	MEM-06	Ms	IgG1	PB-309-T025	25 tests
				PB-309-T100	100 tests
CD43	MEM-59	Ms	IgG1	PB-220-T025	25 tests
				PB-220-T100	100 tests
CD44	MEM-85	Ms	IgG2b	PB-221-T025	25 tests
				PB-221-T100	100 tests
CD45	MEM-28	Ms	IgG1	PB-222-T025	25 tests
				PB-222-T100	100 tests
CD45R0	UCHL1	Ms	IgG2a	PB-498-T025	25 tests
				PB-498-T100	100 tests
CD45RB	MEM-55	Ms	IgG1	PB-224-T025	25 tests
				PB-224-T100	100 tests
CD46	MEM-258	Ms	IgG1	PB-342-T025	25 tests
				PB-342-T100	100 tests
CD47	MEM-122	Ms	IgM	PB-225-T025	25 tests
				PB-225-T100	100 tests
CD48	MEM-102	Ms	IgG1	PB-226-T025	25 tests
				PB-226-T100	100 tests
CD50	MEM-171	Ms	IgG1	PB-266-T025	25 tests
				PB-266-T100	100 tests
CD52	HI186	Ms	IgG2b	PB-368-T025	25 tests
				PB-368-T100	100 tests
CD53	MEM-53	Ms	IgG1	PB-227-T025	25 tests
				PB-227-T100	100 tests
CD54	1H4	Ms	IgG2b	PB-429-T025	25 tests
				PB-429-T100	100 tests
CD55	MEM-118	Ms	IgM	PB-230-T025	25 tests
				PB-230-T100	100 tests

Focus on EXBIO Pacific Blue™ conjugates

Antigen	Clone	Host	Isotype	Catalog No.	Quantity
CD56	MEM-188	Ms	IgG2a	PB-231-T025	25 tests
				PB-231-T100	100 tests
CD58	MEM-63	Ms	IgG1	PB-232-T025	25 tests
				PB-232-T100	100 tests
CD59	MEM-43	Ms	IgG2a	PB-233-T025	25 tests
				PB-233-T100	100 tests
CD62L	LT-TD180	Ms	IgG1	PB-449-T025	25 tests
				PB-449-T100	100 tests
CD63	MEM-259	Ms	IgG1	PB-343-T025	25 tests
				PB-343-T100	100 tests
CD71	MEM-75	Ms	IgG1	PB-235-T025	25 tests
				PB-235-T100	100 tests
CD80	MEM-233	Ms	IgG1	PB-287-T025	25 tests
				PB-287-T100	100 tests
CD86	BU63	Ms	IgG1	PB-531-T025	25 tests
				PB-531-T100	100 tests
CD95 / Fas	LT95	Ms	IgG1	PB-362-T025	25 tests
				PB-362-T100	100 tests
CD105	MEM-226	Ms	IgG2a	PB-298-T025	25 tests
				PB-298-T100	100 tests
CD108	MEM-150	Ms	IgM	PB-275-T025	25 tests
				PB-275-T100	100 tests
HLA-DR	MEM-12	Ms	IgG1	PB-474-T025	25 tests
				PB-474-T100	100 tests
HLA-DR+DP	MEM-136	Ms	IgG1	PB-296-T025	25 tests
				PB-296-T100	100 tests
Kappa light chains	A8B5	Ms	IgG1	PB-504-T025	25 tests
				PB-504-T100	100 tests
Kappa light chains	TB28-2	Ms	IgG1	PB-674-T025	25 tests
				PB-674-T100	100 tests
TCR alpha/beta	IP26	Ms	IgG1	PB-607-T025	25 tests
				PB-607-T100	100 tests
Beta2-microglobulin	B2M-01	Ms	IgG2a	PB-237-C025	0.025 mg
				PB-237-C100	0.1 mg

Mouse panel

Antigen	Clone	Host	Isotype	Catalog No.	Quantity
CD4 (mouse)	GK1.5	Rt	IgG2b	PB-580-C025	0.025 mg
				PB-580-C100	0.1 mg
CD8a (mouse)	53-6.7	Rt	IgG2a	PB-579-C025	0.025 mg
				PB-579-C100	0.1 mg
CD45 (mouse)	EM-05	Rt	IgG	PB-553-C025	0.025 mg
				PB-553-C100	0.1 mg

Isotype controls

Name	Clone	Catalog No.	Quantity
Mouse IgG1 Isotype Control	PPV-06	PB-457-C025	0.025 mg
		PB-457-C100	0.1 mg
Mouse IgG2a Isotype Control	PPV-04	PB-458-C025	0.025 mg
		PB-458-C100	0.1 mg
Mouse IgG3 Isotype Control	PPV-07	PB-459-C025	0.025 mg
		PB-459-C100	0.1 mg

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