



R&D Systems Catalog Addendum 2004

New products not listed in your 2004 catalog

Assay Kits & Development Modules

ELISA Kits

Analyte	Species	Catalog #	Sensitivity	Range	Size
AgRP	Human	DAGR00	4.9 pg/mL	7.8-500 pg/mL	1 Kit
CXCL16	Human	DCX160	0.02 ng/mL	0.156-10 ng/mL	1 Kit
H₂O₂	NA	DE3700	51.3 ng/mL	106-300 ng/mL	1 Kit
IFN-γ	Canine	CAIF00	25.0 pg/mL	62.5-4000 pg/mL	1 Kit
IL-1ra/IL-1F3	Mouse	MRA00	13.0 pg/mL	31.2-2000 pg/mL	1 Kit
MDC/CCL22	Mouse	MCC220	1.8 pg/mL	7.8-500 pg/mL	1 Kit

ELISpot Development Modules

Analyte	Species	Catalog #	Size
IL-4	Canine	SEL754	1 Kit
IL-16	Human	SEL316	1 Kit
TNF-α/TNFSF1A	Primate	SEL1070	1 Kit

In Situ Hybridization Kit

Product	Catalog #	Size
Whole Mount Zebrafish ISH Kit	ISH001	1 Kit

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ELISA & Activity Assay Development Kits

DuoSet® ELISA Development Systems

Analyte	Species	Catalog #	Size	Analyte	Species	Catalog #	Size
Activin A	Human	DY338	1 Kit	uPAR	Human	DY807	1 Kit
AgRP	Human	DY704	1 Kit	sVEGF R1 (Flt-1)	Mouse	DY471	1 Kit
BMP-5	Human	DY615	1 Kit	sVEGF R2 (KDR)	Human	DY357	1 Kit
CD14	Human	DY383	1 Kit	sVEGF R3 (Flt-4)	Human	DY349	1 Kit
CD40 Ligand/TNFSF5	Human	DY617	1 Kit				
EGF	Human	DY236	1 Kit				
FGF-4	Human	DY235	1 Kit				
FGF-6	Human	DY238	1 Kit				
ICAM-3 (CD50)	Human	DY715	1 Kit				
IFN-γ	Canine	DY781	1 Kit				
IL-12/IL-23 p40	Porcine	DY912	1 Kit				
IL-13 sRα1	Human	DY152	1 Kit				
M-CSF sR	Human	DY329	1 Kit				
NRG1-β1/HRG1-β1	Human	DY377	1 Kit				
SDF-1/CXCL12	Human	DY350	1 Kit				
	Mouse	DY460	1 Kit				
L-Selectin (CD62L)	Human	DY728	1 Kit				
Siglec-9	Human	DY1139	1 Kit				

DuoSet® IC Intracellular ELISA and Activity Assays

Product	Species	Catalog #	Size
Active p53	Human/Mouse	DYC1355-2	1 Kit
PTEN	Human	DYC847-2	1 Kit
PTP1B	Human	DYC1366-2	1 Kit
Active PTP1B	Human	DYC1625-2	1 Kit
Active STAT4	Human	DYC1574-2	1 Kit
Malachite Green Phosphate Detection Kit		DY996	1 Kit

These products are for research use only. Not for use in diagnostic procedures.

everything cytokine & beyond

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Recombinant & Natural Proteins

Protein	Species	Catalog #	Source	Size
gAdiponectin/gAcrp30	Human	1688-AC-025	NS0	25 µg
BMPR-IB/ALK-6/Fc Chimera	Mouse	444-BNS-100	NS0	100 µg
Cdc25A	Human	1648-CB-050	<i>E. coli</i>	50 µg
Cdc25B	Human	1649-CD-050	<i>E. coli</i>	50 µg
CD27/TNFRSF7/Fc Chimera	Mouse	574-CD-050	NS0	50 µg
CD27 Ligand/TNFSF7	Mouse	783-CL-050	NS0	50 µg
CD32a/Fcy RIla	Human	1330-CD-050	NS0	50 µg
ECE-2	Human	1645-ZN-010	NS0	10 µg
HTRA/Serine Protease Do	<i>E. coli</i>	1670-SE-020	<i>E. coli</i>	20 µg
IGFBP-rp1/IGFBP-7	Human	1334-B7-025	NS0	25 µg
Kremen-1/Fc Chimera	Mouse	1647-KR-025	NS0	25 µg

Protein	Species	Catalog #	Source	Size
Mer/Fc Chimera	Mouse	591-MR-100	<i>Sf21</i>	100 µg
Methionine Aminopeptidase	<i>E. coli</i>	1628-ZN-020	<i>E. coli</i>	20 µg
OMgp	Human	1673-OM-025	NS0	25 µg
	Mouse	1674-MG-025	NS0	25 µg
Pappalysin-2/PAPP-A2	Human	1668-ZN-020	NS0	20 µg
PTEN	Human	847-PN-010	<i>E. coli</i>	10 µg
Semaphorin 6A/Fc Chimera	Human	1146-S6-025	NS0	25 µg
Serpin A4/Kallistatin	Human	1669-PI-010	NS0	10 µg
Tryptase γ-1 (TPSG1)	Human	1667-SE-010	NS0	10 µg
VHR Phosphatase	Human	1654-VH-050	<i>E. coli</i>	50 µg

Polyclonal Antibodies

Antibody	Species	Catalog #	Size
4-1BB Ligand/TNFSF9	Mouse	AF1246	100 µg
Phospho-ATM (S1981)	Human	AF1655	100 µg
BAFF R/TNFRSF13C	Mouse	AF1357	100 µg
Caspase-8	Human	AF1650	100 µg
Phospho-Chk2 (T68)	Human	AF1626	100 µg
Endoglin	Mouse	AF1320	100 µg
Fetuin A/AHSG	Mouse	AF1563	100 µg
FGF-BP	Rat	AF1413	100 µg
Granzyme G	Mouse	AF1346	100 µg
Hepassocin	Human	AF1614	100 µg
Hip	Mouse	AF1568	100 µg
HSP70	Human/Mouse/Rat	AF1663	50 µg
JAM-3	Mouse	AF1213	100 µg
Kell	Mouse	AF1454	100 µg

Antibody	Species	Catalog #	Size
MKK6	Human/Mouse/Rat	AF1604	50 µg
Phospho-mTOR (S2448)	Human	AF1665	100 µg
Neprilysin	Mouse	AF1126	100 µg
Netrin-G1a	Mouse	AF1166	100 µg
Notch-2	Rat	AF1190	100 µg
OSCAR	Mouse	AF1633	100 µg
p21/CIP1/CDKN1A	Human	AF1047	100 µg
p38γ/MAPK12	Human/Mouse/Rat	AF1644	100 µg
PP2A	Human/Mouse/Rat	AF1653	50 µg
Prolactin R	Rat	AF1112	100 µg
Proliferin	Mouse	AF1623	100 µg
L-Selectin (CD62L)	Rat	AF1534	100 µg
Semaphorin 6A	Mouse	AF1615	100 µg

Monoclonal Antibodies

Antibody	Species	Catalog #	Size
Activin C	Human	MAB1629	500 µg
Activin RIB/ALK-4	Mouse	MAB1477	500 µg
Amphiregulin	Mouse	MAB989	500 µg
Artemin	Mouse	MAB1085	500 µg
BCAM	Human	MAB148	500 µg
Betacellulin	Mouse	MAB1025	500 µg
BRAK/CXCL14	Mouse	MAB730	500 µg
Cathepsin A	Mouse	MAB1123	500 µg
Cathepsin D	Mouse	MAB1029	500 µg
CD14	Mouse	MAB982	500 µg
CD40/TNFRSF5	Human	MAB6322	500 µg
CD40 Ligand/TNFSF5	Human	MAB617	500 µg
Cripto-1	Human	MAB2771	100 µg
CTLA-4	Human	MAB325	500 µg
	Mouse	MAB434	500 µg
Cystatin C	Human	MAB1196	500 µg

Antibody	Species	Catalog #	Size
Cystatin E/M	Human	MAB1286	500 µg
Cystatin SA	Human	MAB1201	500 µg
Cystatin SN	Human	MAB1285	500 µg
Enteropeptidase/Enterokinase	Human	MAB1585	500 µg
Eotaxin/CCL11	Human	MAB3201	500 µg
Epiregulin	Mouse	MAB1068	500 µg
ErbB2	Human	MAB1129	500 µg
ErbB3	Human	MAB348	500 µg
Fas (CD95)/TNFRSF6	Mouse	MAB435	500 µg
FGF-BP	Human	MAB1593	500 µg
Frizzed-4	Human/Mouse	MAB194	100 µg
Galectin-3	Human	MAB1154	500 µg
Galectin-7	Human	MAB1339	500 µg
Galectin-8	Human	MAB1305	500 µg
GFRα-2	Human	MAB613	500 µg
GM-CSF	Rat	MAB5181	500 µg

Monoclonal Antibodies (Continued)

Antibody	Species	Catalog #	Size
Granzyme D	Mouse	MAB1365	500 µg
HAI-1 Ectodomain	Mouse	MAB1141	500 µg
Pro-HGF Activator	Human	MAB1583	500 µg
ICAM-5	Mouse	MAB1173	500 µg
IL-5	Human	MAB2051	500 µg
IL-5 Rα	Human	MAB253	500 µg
IL-7	Mouse	MAB407	500 µg
IL-10	Human	MAB2171	500 µg
IL-10 Rα	Human	MAB2741	500 µg
IL-12/IL-23 p40	Human	MAB6091	500 µg
		MAB1510	500 µg
	Porcine	MAB9121	500 µg
IL-12 Rβ1	Human	MAB839	500 µg
IL-13	Human	MAB2131	500 µg
IL-17	Human	MAB3171	500 µg
IL-17B R	Human	MAB1207	500 µg
IL-18 Rα/IL-1 R5	Human	MAB8401	500 µg
JAM-3	Human	MAB1189	500 µg
Kallikrein 3/PSA	Human	MAB1344	500 µg
Kallikrein 11	Human	MAB1595	500 µg
LIF	Human	MAB2501	500 µg
M-CSF	Human	MAB2161	500 µg
Nbs1	Human/Mouse	MAB15731	100 µg
Neprilysin Ectodomain	Human	MAB1182	500 µg
	Human/Mouse	MAB1126	500 µg

Antibody	Species	Catalog #	Size
β-NGF	Human	MAB2561	500 µg
Nogo R	Mouse	MAB1659	500 µg
Notch-2	Rat	MAB1190	500 µg
PD-ECGF	Human	MAB1646	500 µg
PD-L2	Human	MAB1224	500 µg
Pref-1	Human	MAB1144	500 µg
PTEN	Human/Mouse/Rat	MAB847	100 µg
E-Selectin (CD62E)	Mouse	MAB5751	500 µg
L-Selectin (CD62L)	Rat	MAB1534	500 µg
Semaphorin 6A	Mouse	MAB1615	500 µg
Serpin A3	Human	MAB1295	500 µg
Serpin A5	Human	MAB1266	500 µg
Soggy-1	Human	MAB1549	500 µg
SSEA-3	Human/Mouse	MAB1434	100 µg
TARC/CCL17	Human	MAB3641	500 µg
Tenascin R	Mouse/Rat	MAB1624	100 µg
TGF-β RII	Human	MAB241	500 µg
		MAB2411	500 µg
Pro-Thrombin	Human	MAB1473	500 µg
Tie-2	Human	MAB3131	500 µg
TREM-1	Mouse	MAB1187	500 µg
VEGF	Human	MAB2931	500 µg
VEGF/PIGF Heterodimer	Human	MAB297	500 µg
VEGF-D	Mouse	MAB469	500 µg
VEGF R1 (Flt-1)	Mouse	MAB471	500 µg
VEGF R3 (Flt-4)	Human	MAB349	500 µg

Biotinylated Antibodies

Antibody	Species	Catalog #	Size
Angiopoietin-2	Human	BAF623	50 µg
B7-2 (CD86)	Rat	BAF1340	50 µg
BACE-1	Human	BAF931	50 µg
BMP-3	Human	BAF113	50 µg
Dectin-2α	Mouse	BAF1525	50 µg
FABP2	Rat	BAF1486	50 µg
Fetuin A/AHSG	Mouse	BAF1563	50 µg
FGF-BP	Rat	BAF1413	50 µg
Flt-3 (Flk-2)	Mouse	BAM7681	100 µg
Frizzled-6	Mouse	BAF1526	50 µg
Growth Hormone R	Mouse	BAF1360	50 µg
HAI-1	Mouse	BAF1141	50 µg
HAI-2	Human	BAF1106	50 µg
Hip	Mouse	BAF1568	50 µg
IGF-I	Mouse	BAF791	50 µg
IL-12/IL-23 p40	Porcine	BAM9122	100 µg
Kell	Mouse	BAF1454	50 µg
MAdCAM-1	Mouse	BAF993	50 µg

Antibody	Species	Catalog #	Size
MMP-2	Mouse	BAF1488	50 µg
Neprilysin	Mouse	BAF1126	50 µg
NGF R/TNFRSF16	Human	BAF367	50 µg
NMA	Human	BAF921	50 µg
Notch-3	Mouse	BAF1308	50 µg
OSM Rβ	Mouse	BAM662	100 µg
Osteopontin (OPN)	Human	BAF1433	50 µg
RELMα	Mouse	BAF1523	50 µg
Ret	Human	BAF1485	50 µg
SCF R/c-kit	Mouse	BAM1356	250 µg
E-Selectin (CD62E)	Mouse	BAM5752	100 µg
Soggy-1	Human	BAF1549	50 µg
STAT2	Human	BAF1666	50 µg
STAT4	Human/Mouse	BAF1574	50 µg
TIM-3	Mouse	BAF1529	50 µg
TLR2	Mouse	BAF1530	50 µg
TLR3	Human	BAF1487	50 µg

Phospho-tyrosine Antibodies

Protein tyrosine kinases (PTKs), including transmembrane receptor tyrosine kinases and cytoplasmic nonreceptor tyrosine kinases, play vital roles in a variety of cellular processes, including cell growth, differentiation, adhesion, motility, death and metabolism. Mutations and dysregulation of PTKs have been implicated in the development of many human diseases, including diabetes and cancer. Understanding the mechanisms underlying PTK activation will help elucidate their function in both normal physiology and disease states. PTKs mediate signal transduction in eukaryotic cells via phosphorylation of tyrosine residues in substrate proteins. Antibodies specific for phospho-tyrosine have been invaluable reagents in the studies of signaling pathways initiated by tyrosine phosphorylation. The pan phospho-tyrosine monoclonal antibody developed by R&D Systems provides an exceptionally sensitive new tool for detecting and visualizing tyrosine-phosphorylated proteins. The antibody is suitable for all applications involving protein tyrosine phosphorylation, including Western blotting, immunoprecipitation, and ELISA.

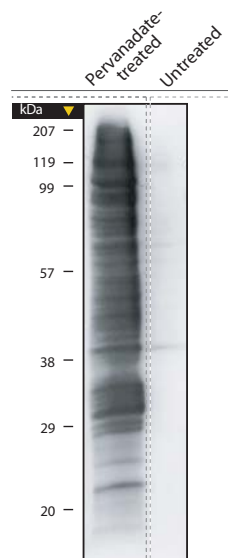


Figure 1. Detection of total phospho-tyrosine containing proteins in extracts of A431 cells. Cells were either untreated or treated with 50 μ M pervanadate for 15 min. Samples were resolved by 12% SDS-polyacrylamide gel electrophoresis and analyzed by Western blot using 1 μ g/mL of R&D Systems' pan phospho-tyrosine monoclonal antibody (Catalog # MAB1676) in conjunction with R&D Systems' HRP-conjugated goat anti-mouse IgG secondary antibody (Catalog # HAF007).

Phospho-tyrosine Antibodies

Antibody	Catalog #	Size
Phospho-tyrosine	MAB1676	500 μ g
Phospho-tyrosine, Agarose Conjugate*	AGM1676	250 μ L
Phospho-tyrosine, AP Conjugate**	APM1676	100 μ L
Phospho-tyrosine, Biotinylated	BAM1676	100 μ g
Phospho-tyrosine, HRP Conjugate**	HAM1676	100 μ L

Fluorochrome-labeled Monoclonal Antibodies

Antibody	Species	Catalog #	Label	Size
CD40/TNFRSF5	Mouse	FAB4401P	Phycoerythrin	100 Tests
G-CSF	Human	IC2141A	Allophycocyanin	100 Tests
GITR/TNFRSF18	Mouse	FAB5241F	Fluorescein	100 Tests
		FAB5241P	Phycoerythrin	100 Tests
IL-4 R	Human	FAB230P	Phycoerythrin	100 Tests
L-Selectin (CD62L)	Mouse	FAB5761F	Fluorescein	100 Tests
		FAB5761P	Phycoerythrin	100 Tests
TREM-1	Human	FAB1278P	Phycoerythrin	100 Tests
		FAB1187A	Allophycocyanin	100 Tests
		FAB1187P	Phycoerythrin	100 Tests
VEGF R2 (KDR)	Human	FAB357A	Allophycocyanin	100 Tests

Other Labeled Antibodies

Antibody	Species	Catalog #	Size
p53 Agarose*	Human/Mouse/Rat	GAF1355	250 μ L
p53 HRP**	Human/Mouse/Rat	HAF1355	100 μ L

* **AGM1676, GAF1355:** 250 μ L beads in 500 μ L suspension, sufficient for 25 immunoprecipitations.

** **APM1676, HAM1676, HAF1355:** An antibody dilution of 1:5,000 is recommended for ELISA and Western blot applications.



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