

GPCRs

Caliper Discovery Alliances & Services

CDASのバインディングアッセイサービスはNovaScreen社の時代から継続して20年以上の歴史と信頼の実績があり、多様なターゲットに対応できるべくアッセイの種類も多数用意しています。詳しいことは、弊社の担当者まで御相談ください。

Biochemical assayサービス (**GPCR Binding™**)も、Functional assayサービス (**GPCR Functional™**)も、両方とも次に示しますような様々な項目がございます。また、常に進化し続けておりますので、最新の項目情報はWEBで御確認ください。



Complete GPCR Assay List

最新の情報はホームページ (<http://www.caliperls.com>または<http://www.caliperls.jp>) でご確認ください。

Cat#	Assay Type	Assay Class	Assay Name	\$/Well (USD)
100-0328	Binding	Adenosine	A1 (h)	\$59.00
100-0043	Binding	Adenosine	A2	\$34.00
100-0003	Binding	Adenosine	A2A (h)	\$59.00
100-0004	Binding	Adenosine	A3	\$59.00
100-0030	Binding	Adenosine	AD Non selective	\$34.00
100-0100	Binding	Adrenergic	Alpha 1 Non selective	\$34.00
100-0005	Binding	Adrenergic	Alpha 1A	\$37.00
100-0006	Binding	Adrenergic	Alpha 1B	\$34.00
100-0101	Binding	Adrenergic	Alpha 2 Non selective	\$34.00
100-0007	Binding	Adrenergic	Alpha 2A (h)	\$59.00
300-0978	Cellular	Adrenergic	Alpha 2a Agonist (h)	\$65.00
300-0979	Cellular	Adrenergic	Alpha 2a Antagonist (h)	\$65.00
100-0008	Binding	Adrenergic	Alpha 2B	\$42.00
300-1019	Cellular	Adrenergic	Alpha 2B, Agonist (h)	\$65.00
300-1020	Cellular	Adrenergic	Alpha 2B, Antagonist (h)	\$65.00
100-0102	Binding	Adrenergic	Alpha 2C	\$42.00
100-0009	Binding	Adrenergic	Alpha 2C (h)	\$59.00
300-0784	Cellular	Adrenergic	Alpha 2C Agonist (h)	\$65.00
300-0785	Cellular	Adrenergic	Alpha 2C Antagonist (h)	\$65.00
100-0990	Binding	Adrenergic	Alpha2b (h)	\$59.00
100-0104	Binding	Adrenergic	Beta 1	\$42.00
100-0010	Binding	Adrenergic	Beta 1 (h)	\$59.00
300-1025	Cellular	Adrenergic	Beta 1 Agonist (h)	\$65.00
300-1029	Cellular	Adrenergic	Beta 1 Antagonist (h)	\$65.00
100-0105	Binding	Adrenergic	Beta 2	\$42.00
100-0011	Binding	Adrenergic	Beta 2 (h)	\$59.00
300-0451	Cellular	Adrenergic	Beta 2 Agonist (h)	\$65.00
300-0452	Cellular	Adrenergic	Beta 2 Antagonist (h)	\$65.00
100-0325	Binding	Adrenergic	Beta 3 (h)	\$59.00
100-0103	Binding	Adrenergic	Beta Non selective	\$37.00
100-0084	Binding	Angiotensin II	AT1 (h)	\$59.00
100-0107	Binding	Angiotensin II	AT1 Peripheral	\$46.00
100-0108	Binding	Angiotensin II	AT2 Central	\$46.00
100-0109	Binding	Atrial Natriuretic Factor	ANP-A	\$46.00
300-0221	Cellular	Bradykinin	B1 Agonist (h)	\$65.00
300-0283	Cellular	Bradykinin	B1 Antagonist (h)	\$65.00
100-0012	Binding	Bradykinin	B2	\$46.00
300-0222	Cellular	Bradykinin	B2 Agonist	\$65.00
100-0073	Binding	Cannabinoid	CB1 (h)	\$59.00
300-1002	Cellular	Cannabinoid	CB1 Antagonist, (h)	\$65.00
300-1001	Cellular	Cannabinoid	CB1, Agonist (h)	\$65.00
100-0074	Binding	Cannabinoid	CB2 (h)	\$59.00
300-0800	Cellular	Chemokine	CCR2 Agonist (h) (Ca2+)	\$65.00
300-0801	Cellular	Chemokine	CCR2 Antagonist (h) (Ca2+)	\$65.00
300-1003	Cellular	Chemokine	CXCR2, Agonist (h)	\$65.00
300-1004	Cellular	Chemokine	CXCR2, Antagonist (h)	\$65.00

Cat#	Assay Type	Assay Class	Assay Name	\$/Well (USD)
100-0114	Binding	Cholecystokinin	CCKA	\$46.00
100-0115	Binding	Cholecystokinin	CCKB	\$46.00
100-0117	Binding	Complement	Anaphylatoxin C5aR (h)	\$59.00
300-1021	Cellular	Complement	C5a, Agonist (h)	\$65.00
100-0118	Binding	Corticotropin	CRF Non selective	\$46.00
300-0225	Cellular	Corticotropin	CRF1 Agonist (h)	\$65.00
300-0293	Cellular	Corticotropin	CRF1 Antagonist (h)	\$65.00
100-0120	Binding	Dopamine	D1	\$42.00
100-0016	Binding	Dopamine	D1 (h)	\$59.00
300-0227	Cellular	Dopamine	D1 Agonist (h) (cAMP)	\$65.00
300-0755	Cellular	Dopamine	D1 Agonist (h) (Luciferase)	\$65.00
300-0226	Cellular	Dopamine	D1 Antagonist (h) (Ca2+)	\$65.00
300-0284	Cellular	Dopamine	D1 Antagonist (h) (cAMP)	\$65.00
300-0757	Cellular	Dopamine	D1 Antagonist (h) (Luciferase)	\$65.00
100-0121	Binding	Dopamine	D2	\$42.00
100-1006	Binding	Dopamine	D2s (h)	\$59.00
100-0018	Binding	Dopamine	D3	\$34.00
100-1005	Binding	Dopamine	D4.2 (h)	\$59.00
100-0019	Binding	Dopamine	D4.4 (h)	\$59.00
100-0116	Binding	Dopamine	DA Non-Selective (Clozapine)	\$42.00
100-0085	Binding	Endothelin	ETA (h)	\$59.00
100-0124	Binding	Endothelin	ETB (h)	\$59.00
100-0024	Binding	GABA-B	GABA-B	\$39.00
100-0130	Binding	Galanin	Galanin Non selective	\$46.00
100-0786	Binding	GammaHydroxyB utyrate	GHB	\$42.00
100-0756	Binding	Glutamate	mGluR1	\$59.00
100-0405	Binding	Glutamate	mGluR5	\$59.00
100-0034	Binding	Histamine	H1	\$42.00
100-0456	Binding	Histamine	H1 (h)	\$59.00
300-0998	Cellular	Histamine	H1 Agonist (h)	\$65.00
300-0999	Cellular	Histamine	H1 Antagonist (h)	\$65.00
100-0086	Binding	Histamine	H2	\$42.00
300-1041	Cellular	Histamine	H2 Agonist (h) (Ca2+)	\$65.00
300-1040	Cellular	Histamine	H2 Antagonist (h) (Ca2+)	\$65.00
100-0035	Binding	Histamine	H3	\$42.00
300-0229	Cellular	Histamine	Histamine, H2 Agonist (h)(cAMP)	\$65.00
100-0036	Binding	Leukotriene	LTB4 (BLT)	\$46.00
100-0481	Binding	Leukotriene	LTB4 (BLT1) (h)	\$59.00
100-0482	Binding	Leukotriene	LTB4 (BLT2) (h)	\$59.00
300-0296	Cellular	Leukotriene	LTB4 Agonist (h)	\$65.00
300-0297	Cellular	Leukotriene	LTB4 Antagonist (h)	\$65.00
300-0298	Cellular	Leukotriene	LTC4/D4 Agonist (h)	\$65.00
100-0037	Binding	Leukotriene	LTD4 (CysLT1)	\$46.00
300-0749	Cellular	Lysophospholipid	LPA2 (EDG4) Agonist (h)	\$65.00
300-0750	Cellular	Lysophospholipid	LPA2 (EDG4) Antagonist (h)	\$65.00
300-0737	Cellular	Lysophospholipid	Sphingosine-1-phosphateS1P3 (EDG3)	\$65.00
300-0738	Cellular	Lysophospholipid	Sphingosine-1-phosphateS1P3 (EDG3)	\$65.00
100-0134	Binding	Melatonin	Melatonin Non selective	\$46.00
100-0135	Binding	Muscarinic	M Non selective Central	\$46.00
100-0136	Binding	Muscarinic	M Non selective Peripheral	\$42.00
100-0137	Binding	Muscarinic	M1	\$37.00
100-0038	Binding	Muscarinic	M1 (h)	\$59.00
300-0231	Cellular	Muscarinic	M1 Agonist (h) (Ca2+)	\$65.00
300-0454	Cellular	Muscarinic	M1 Antagonist (h) (Ca2+)	\$65.00
100-0138	Binding	Muscarinic	M2	\$42.00
100-0039	Binding	Muscarinic	M2 (h)	\$59.00
100-0139	Binding	Muscarinic	M3	\$42.00
100-0040	Binding	Muscarinic	M3 (h)	\$59.00
300-0455	Cellular	Muscarinic	M3 Agonist (h) (Ca2+)	\$65.00
100-0041	Binding	Muscarinic	M4 (h)	\$59.00
100-0042	Binding	Muscarinic	M5 (h)	\$59.00
100-0044	Binding	Neurokinin	NK1	\$46.00

Cat#	Assay Type	Assay Class	Assay Name	\$/Well (USD)
100-0140	Binding	Neurokinin	NK2 (NKA) (h)	\$59.00
300-1000	Cellular	Neurokinin	Neurokinin, NK2 Agonist (h) (LF)	\$65.00
300-1022	Cellular	Neurokinin	NK2, Agonist (h) (Ca2+)	\$65.00
300-1023	Cellular	Neurokinin	NK2, Antagonist (h)	\$65.00
100-0141	Binding	Neurokinin	NK3 (NKB)	\$46.00
100-0142	Binding	Neuropeptide Y	NPY Non selective	\$42.00
100-0143	Binding	Neuropeptide Y	NPY1 (h)	\$59.00
100-0045	Binding	Neuropeptide Y	NPY2 (h)	\$59.00
100-0144	Binding	Neurotensin	NT	\$46.00
100-0145	Binding	Neurotensin	NT (h)	\$59.00
100-0149	Binding	Opioid	Delta	\$42.00
100-0049	Binding	Opioid	Delta-2 (h)	\$59.00
100-0150	Binding	Opioid	Kappa 1	\$42.00
100-0151	Binding	Opioid	Mu	\$42.00
100-0051	Binding	Opioid	Mu (h)	\$59.00
300-0234	Cellular	Opioid	Mu Agonist (h) (GTPγS)	\$65.00
300-0294	Cellular	Opioid	Mu Antagonist (h) (GTPγS)	\$65.00
100-0072	Binding	Opioid	Nociceptin, ORL1 (h)	\$59.00
100-0888	Binding	Opioid	Nociceptin, ORL1 brain (h)	\$59.00
100-0889	Binding	Opioid	Nociceptin, ORL1 brain(macaque)	\$42.00
100-0887	Binding	Opioid	Nociceptin, ORL1 brain (r)	\$42.00
100-1024	Binding	Opioid	Nociceptin, ORL1 brain (Rabbit)	\$42.00
100-0147	Binding	Opioid	OP Non-selective	\$38.00
100-0148	Binding	Opioid	OP Non-selective (+Na+)	\$42.00
100-0152	Binding	Oxytocin	Oxytocin	\$59.00
100-0153	Binding	Platelet Activating Factor	PAF	\$59.00
300-0236	Cellular	Platelet Activating Factor	PAF Agonist (h)	\$65.00
300-0981	Cellular	Prostanoid	Prostaglandin E2 (PGE2)Antagonist (h)	\$65.00
300-0980	Cellular	Prostanoid	Prostaglandin E2 (PGE2)Agonist (h)	\$65.00
100-0157	Binding	Purinergic	P2Y	\$37.00
100-0055	Binding	Purinergic	P2Y (h)	\$59.00
300-0238	Cellular	Purinergic	P2Y Agonist (h)	\$65.00
300-0286	Cellular	Purinergic	P2Y Antagonist (h)	\$65.00
100-0158	Binding	Serotonin	5HT Non selective	\$37.00
100-0159	Binding	Serotonin	5HT1 Non selective	\$39.00
100-0160	Binding	Serotonin	5HT1A	\$41.00
100-0057	Binding	Serotonin	5HT1A (h)	\$59.00
300-1011	Cellular	Serotonin	5HT1A Agonist (h)	\$65.00
300-1012	Cellular	Serotonin	5HT1A Antagonist (h)	\$65.00
100-0161	Binding	Serotonin	5HT1B	\$37.00
100-0058	Binding	Serotonin	5HT1D	\$42.00
100-0162	Binding	Serotonin	5HT1D (h)	\$59.00
100-0059	Binding	Serotonin	5HT2A	\$42.00
100-0163	Binding	Serotonin	5HT2A (h)	\$59.00
100-0848	Binding	Serotonin	5HT2B (h)	\$57.00
300-1013	Cellular	Serotonin	5HT2B Agonist (h)	\$65.00
300-1014	Cellular	Serotonin	5HT2B Antagonist (h)	\$65.00
100-0060	Binding	Serotonin	5HT2C	\$42.00
300-1008	Cellular	Serotonin	5HT2C Agonist (h)	\$65.00
300-1009	Cellular	Serotonin	5HT2C Antagonist (h)	\$65.00
100-0062	Binding	Serotonin	5HT4	\$39.00
100-0063	Binding	Serotonin	5HT5A (h)	\$59.00
100-0064	Binding	Serotonin	5HT6 (h)	\$59.00
100-0065	Binding	Serotonin	5HT7 (h)	\$59.00
100-0165	Binding	Somatostatin	SOM Non selective	\$46.00
100-0070	Binding	Thromboxane	TXA2 (h)	\$59.00
100-0169	Binding	Thyrotropin	TRH	\$46.00
100-0170	Binding	Vasoactive	VIP Non selective	\$46.00
100-0171	Binding	Vasopressin	V1	\$46.00
100-0172	Binding	Vasopressin	V1A (h)	\$59.00
300-1015	Cellular	Vasopressin	V2 Agonist (h)	\$65.00
300-1016	Cellular	Vasopressin	V2 Antagonist (h)	\$65.00

随時更新していますので最新の情報はホームページ

(<http://www.caliperls.com/>, <http://www.caliperls.jp>) でご確認ください。

GPCR Binding-Functional Assay Pairings

Binding Assay	Binding	Agonist	Antagonist	Platform
Adenosine, A2A, (h)	100-0003	Dev't	Dev't	GTP
Adrenergic, Alpha 1A	100-0005	Dev't	Dev't	LF
Adenosine, Transporter AOT (h)	100-0001	300-0214	300-0215	RL Transport
Adrenergic, Alpha 2A (h)	100-0007	300-0978	300-0979	Ca ²⁺ Flux
Adrenergic, Alpha 2B (h)	100-0008	300-1019	300-1020	LF
Adrenergic, Alpha 2C (h)	100-0009	300-0784	300-0785	cAMP
Adrenergic, Beta 1 (h)	100-0010	300-1025	300-1029	LF
Adrenergic, Beta 2	100-0011	300-0451	300-0452	cAMP
Anandamide, Transport AMT (h)			300-0216	RL Transport
Bradykinin, B1		300-0221	300-0283	Ca ²⁺ Flux
Bradykinin, B2	100-0012	300-0222		Ca ²⁺ Flux
Cannabinoid, CB1 (h)	100-0073	300-1001	300-1002	LF
Cannabinoid, CB2 (h)	100-0074	Dev't	Dev't	
Chemokine, CCR2 (h)		300-0800	300-0801	Ca ²⁺ Flux
Chemokine, CXCR2 (h)		300-1003	300-1004	LF
Complement, Anaphylatoxin C3a (h)		Dev't	Dev't	
Choline, Transport ChOT			300-0217	RL Transport
Complement, Anaphylatoxin C5a (h)	100-0117	300-1021	Dev't	LF
Corticotropin Releasing Factor, CRF1 (h)	100-0118	300-0225	300-0293	cAMP
Dopamine, D1 (h)	100-0016	300-0227	300-0284	cAMP
Dopamine, D2s (h)	100-1006	Dev't	Dev't	GTP
Dopamine, D4.4 (h)	100-0019	Dev't	Dev't	GTP
Dopamine, Transporter, DAT	100-0015		300-0331	RL Transport
GABA, Transport		300-0218		RL Transport
Galanin 1 (h)	100-0130	Dev't	Dev't	
Glutamate, GLUT			300-0219	RL Transport
Histamine, H1 (h)	100-0456	300-0998	300-0999	LF
Histamine, H2	100-0086	300-0285	300-0228	cAMP
Leukotriene, LTB4 (BLT1) (h)	100-0481	300-0296	300-0297	Ca ²⁺ flux
Leukotriene, LTB4 (CysLT1) (h)	100-0037	300-0298		Ca ²⁺ flux
Lysophospholipid, LPA2 (h)		300-0749	300-0750	Ca ²⁺ flux
Lysophospholipid, S1P3 (h)		300-0737	300-0738	Ca ²⁺ flux
Muscarinic, M1 (h)	100-0038	300-0231	300-0454	Ca ²⁺ flux
Muscarinic, M3 (h)	100-0040	300-0455		Ca ²⁺ flux
Neurokinin, NK2 (NKA) (h)	100-0140	300-1000	Dev't	LF
Neurokinin, NK2 (h)	100-0140	300-1022	300-1023	Ca ²⁺ flux
Nicotinic, α -BnTx Insensitive Neuronal (h)	100-0359	300-0564	300-0565	Ca ²⁺ flux
Norepinephrine, Transporter NET	100-0048		300-0332	RL Transport
Norepinephrine, Transporter NET (h)	100-0146		300-0404	RL Transport
Opioid, Mu (h)	100-0051	300-0234	300-0294	GTPgS
Opioid, Nociceptin ORL1 (h)	100-0072	Dev't	Dev't	LF
PAF (h)	100-0153	300-0236		Ca ²⁺ flux
PGE2		300-0980	300-0981	cAMP
Potassium, hERG (I[Kr]) (h)	100-0330	300-0399		Rb flux
Purinergic, P2Y (h)	100-0055	300-0238	300-0286	Ca ²⁺ flux
Serotonin, 5HT1A (h)	100-0057	300-1011	300-1012	LF
Serotonin, 5HT2B (h)	100-0848	300-1013	300-1014	Ca ²⁺ flux
Serotonin, 5HT2C (h)	100-0060	300-1008	300-1009	Ca ²⁺ flux
Serotonin, 5HT3	100-0061	300-0303	300-0304	Membrane Potential
Serotonin, Transporter SERT (h)	100-0099		300-0220	RL Transport
Vasopressin, V2 (h)		300-1015	300-1016	LF
Vesicular, VMAT2 Transporter			300-0555	RL Transport
Vesicular, VMAT1	100-0751		300-0554	RL Transport