

# Kinase inhibition assay

<測定項目および測定単価表>

2007年7月改定

測定系	番号	サブタイプ	陽性物質	測定法	薬物	濃度	例数
Ser/Thr kinases	1	Akt1/PKB $\alpha$ (h)	Staurosporine	TR-FRET			
	2	Akt2/PKB $\beta$ (h)	Staurosporine	TR-FRET			
	3	Akt3/PKB $\gamma$ (h)	Staurosporine	TR-FRET			
	4	AMPK (rat)	Staurosporine	TR-FRET			
	5	ARK5 (h)	Staurosporine	TR-FRET			
	6	ASK1 (h)	Staurosporine	TR-FRET			
	7	Aurora-A (h)	Staurosporine	TR-FRET			
	8	Aurora-B (h)	Tyrphostin AG1478	TR-FRET			
	9	Aurora-C (h)	Staurosporine	TR-FRET			
	10	BrSK1 (h)	Staurosporine	TR-FRET			
	11	BrSK2 (h)	Staurosporine	TR-FRET			
	12	CaM KI (h)	Staurosporine	TR-FRET			
	13	CaM KII (rat)	Staurosporine	TR-FRET			
	14	CaM KII $\beta$ (h)	Staurosporine	TR-FRET			
	15	CaM KII $\delta$ (h)	Staurosporine	TR-FRET			
	16	CaM KII $\gamma$ (h)	Staurosporine	TR-FRET			
	17	CaM KIV (h)	Staurosporine	TR-FRET			
	18	CHK1 (h)	Staurosporine	TR-FRET			
	19	CHK2 (h)	Staurosporine	TR-FRET			
	20	CLK3 (h)	Staurosporine	TR-FRET			
	21	DAPK1 (h)	Staurosporine	TR-FRET			
	22	DAPK2 (h)	Staurosporine	TR-FRET			
	23	DCAMKL2 (h)	Staurosporine	TR-FRET			
	24	DMPK (h)	Staurosporine	TR-FRET			
	25	DRAK1 (h)	Staurosporine	TR-FRET			
	26	DYRK2 (h)	Staurosporine	TR-FRET			
	27	eEF-2K (h)	Staurosporine	TR-FRET			
	28	GRK5 (h)	Staurosporine	TR-FRET			
	29	GRK6 (h)	Staurosporine	TR-FRET			
	30	GSK3 $\alpha$ (h)	Staurosporine	TR-FRET			
	31	GSK3 $\beta$ (h)	Staurosporine	TR-FRET			
	32	HIPK1 (h)	Staurosporine	TR-FRET			
	33	HIPK2 (h)	Staurosporine	TR-FRET			
	34	HIPK3 (h)	Staurosporine	TR-FRET			
	35	IKK $\alpha$ (h)	Staurosporine	TR-FRET			
	36	IKK $\beta$ (h)	Staurosporine	TR-FRET			
	37	LKB1 (h)	Staurosporine	TR-FRET			
	38	LOK (h)	Staurosporine	TR-FRET			
	39	MAPKAP-K2 (h)	Staurosporine	TR-FRET			
	40	MAPKAP-K3 (h)	Staurosporine	TR-FRET			
	41	MARK1	Staurosporine	TR-FRET			
	42	MELK (h)	Staurosporine	TR-FRET			
	43	MINK	Staurosporine	TR-FRET			
	44	MLCK (h)	Staurosporine	TR-FRET			
	45	MnK2 (h)	Staurosporine	TR-FRET			
	46	MRCK $\alpha$ (h)	Staurosporine	TR-FRET			
	47	MRCK $\beta$ (h)	Staurosporine	TR-FRET			
	48	MSK1 (h)	Staurosporine	TR-FRET			
	49	MSK2 (h)	Staurosporine	TR-FRET			
	50	MSSK1 (h)	Staurosporine	TR-FRET			

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	51	MST1 (h)	Staurosporine	TR-FRET			
	52	MST2 (h)	Staurosporine	TR-FRET			
	53	NEK2 (h)	Staurosporine	TR-FRET			
	54	NEK3 (h)	Staurosporine	TR-FRET			
	55	NEK6 (h)	Staurosporine	TR-FRET			
	56	NEK7 (h)	Staurosporine	TR-FRET			
	57	NEK11 (h)	Staurosporine	TR-FRET			
	58	NLK (h)	Staurosporine	TR-FRET			
	59	p70 S6K (h)	Staurosporine	TR-FRET			
	60	PAK2 (h)	Staurosporine	TR-FRET			
	61	PAK3 (h)	Staurosporine	TR-FRET			
	62	PAK4 (h)	Staurosporine	TR-FRET			
	63	PAK5 (h)	Staurosporine	TR-FRET			
	64	PAK6 (h)	Staurosporine	TR-FRET			
	65	PAR-1B $\alpha$ (h)	Staurosporine	TR-FRET			
	66	PASK (h)	Staurosporine	TR-FRET			
	67	PhK $\gamma$ 2 (h)	Staurosporine	TR-FRET			
	68	Plm-1 (h)	TBB	TR-FRET			
	69	Plm-2 (h)	Staurosporine	TR-FRET			
	70	PKA (h)	Staurosporine	TR-FRET			
	71	PKC $\alpha$ (h)	Staurosporine	TR-FRET			
	72	PKC $\beta$ 1 (h)	Staurosporine	TR-FRET			
	73	PKC $\beta$ 2 (h)	Staurosporine	TR-FRET			
	74	PKC $\gamma$ (h)	Staurosporine	TR-FRET			
	75	PKC $\delta$ (h)	Staurosporine	TR-FRET			
	76	PKC $\epsilon$ (h)	Staurosporine	TR-FRET			
	77	PKC $\eta$ (h)	Staurosporine	TR-FRET			
	78	PKC $\iota$ (h)	Staurosporine	TR-FRET			
Ser/Thr kinases	79	PKC $\mu$ (h)	Staurosporine	TR-FRET			
	80	PKC $\theta$ (h)	Staurosporine	TR-FRET			
	81	PKC $\zeta$ (h)	Staurosporine	TR-FRET			
	82	PKD2 (h)	Staurosporine	TR-FRET			
	83	PKG1 $\alpha$ (h)	Staurosporine	TR-FRET			
	84	PKG1 $\beta$ (h)	Staurosporine	TR-FRET			
	85	Plk3 (h)	Staurosporine	TR-FRET			
	86	PRAK (h)	Staurosporine	TR-FRET			
	87	PRK2 (h)	Staurosporine	TR-FRET			
	88	PrKX (h)	Staurosporine	TR-FRET			
	89	ROCK-I (h)	Staurosporine	TR-FRET			
	90	ROK $\alpha$ /ROCK-II (h)	Staurosporine	TR-FRET			
	91	Rsk1/MAPKAP-K1 $\alpha$ (h)	Staurosporine	TR-FRET			
	92	Rsk1/MAPKAP-K1 $\alpha$ (rat)	Staurosporine	TR-FRET			
	93	Rsk2/MAPKAP-K1 $\beta$ (h)	Staurosporine	TR-FRET			
	94	Rsk3 (h)	Staurosporine	TR-FRET			
	95	Rsk4 (h)	Staurosporine	TR-FRET			
	96	SGK1 (h)	Staurosporine	TR-FRET			
	97	SGK2 (h)	Staurosporine	TR-FRET			
	98	SGK3 (h)	Staurosporine	TR-FRET			
	99	SIK (h)	Staurosporine	TR-FRET			
	100	Snk (h)	Staurosporine	TR-FRET			
	101	STK33 (h)	Staurosporine	TR-FRET			
	102	TBK1 (h)	Staurosporine	TR-FRET			
	103	TSSK1 (h)	Staurosporine	TR-FRET			
	104	TSSK2 (h)	Staurosporine	TR-FRET			
	105	WNK2 (h)	Staurosporine	TR-FRET			
	106	WNK3 (h)	Staurosporine	TR-FRET			
	107	ZIPK (h)	Staurosporine	TR-FRET			

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測定系	番号	サブタイプ	陽性物質	測定法	薬物	濃度	例数
Cytoplasmic tyrosine kinases	108	AKL	Staurosporine	TR-FRET			
	109	Axl	Staurosporine	TR-FRET			
	110	EGFR	Staurosporine	TR-FRET			
	111	EphA2	Staurosporine	TR-FRET			
	112	EphA3	Tyrphostin AG1478	TR-FRET			
	113	EphA4	Staurosporine	TR-FRET			
	114	EphA7	Staurosporine	TR-FRET			
	115	EphA8	Staurosporine	TR-FRET			
	116	EphB1	Staurosporine	TR-FRET			
	117	EphB2	Staurosporine	TR-FRET			
	118	EphB3	PP2	TR-FRET			
	119	EphB4	Tyrphostin AG1478	TR-FRET			
	120	ErbB4	Tyrphostin AG1478	TR-FRET			
	121	DDR2	Staurosporine	TR-FRET			
	122	FGFR1	Staurosporine	TR-FRET			
	123	FGFR2	Staurosporine	TR-FRET			
	124	FGFR3	Staurosporine	TR-FRET			
	125	Flt1	Staurosporine	TR-FRET			
	126	Flt3	Tyrphostin AG1478	TR-FRET			
	127	Flt4	Staurosporine	TR-FRET			
	128	Fms	Staurosporine	TR-FRET			
	129	IGF-1R	Staurosporine	TR-FRET			
	130	Ins R	Staurosporine	TR-FRET			
	131	IRR	Staurosporine	TR-FRET			
	132	KDR	Staurosporine	TR-FRET			
	133	Mer	Staurosporine	TR-FRET			
	134	Met	Staurosporine	TR-FRET			
	135	MuSK	Staurosporine	TR-FRET			
	136	PDGFRa	Staurosporine	TR-FRET			
	137	PDGFRb	Staurosporine	TR-FRET			
	138	PTK5	Staurosporine	TR-FRET			
	139	Ret	Staurosporine	TR-FRET			
	140	Ron	Staurosporine	TR-FRET			
	141	Ros	Staurosporine	TR-FRET			
	142	Rse	Staurosporine	TR-FRET			
143	Tie2	Staurosporine	TR-FRET				
144	TrkA	Staurosporine	TR-FRET				
145	TrkB	Staurosporine	TR-FRET				
Receptor tyrosine kinases	146	Abl	Tyrphostin AG1478	TR-FRET			
	147	Arg	Tyrphostin AG1478	TR-FRET			
	148	Blk	Tyrphostin AG1478	TR-FRET			
	149	Bmx	Tyrphostin AG1478	TR-FRET			
	150	BRK	Staurosporine	TR-FRET			
	151	CSK	Staurosporine	TR-FRET			
	152	FAK	Staurosporine	TR-FRET			
	153	Fes (Fps)	Staurosporine	TR-FRET			
	154	Fgr	Staurosporine	TR-FRET			
	155	Fyn	Tyrphostin AG1478	TR-FRET			
	156	Hck	Tyrphostin AG1478	TR-FRET			
	157	Itk	Staurosporine	TR-FRET			
	158	JAK2	Staurosporine	TR-FRET			
	159	JAK3	Staurosporine	TR-FRET			
	160	Lck	Tyrphostin AG1478	TR-FRET			
	161	Lyn	Tyrphostin AG1478	TR-FRET			
	162	Pyk2	Staurosporine	TR-FRET			
	163	Src	Staurosporine	TR-FRET			
	164	syk	Staurosporine	TR-FRET			
	165	Syk	Staurosporine	TR-FRET			
	166	Zap-70	Staurosporine	TR-FRET			

その他の測定系につきましても、測定系の確認試験より、実施させて頂くことも可能ですので、お気軽にご相談下さい。

<測定法>

TR-FRET:時間分解蛍光共鳴エネルギー移転検出法

<試験費用について>

測定費用                    基本費用 120,000円(測定本数が10tubeに満たない場合、基本費用のみとなります)  
                                  測定単価 12,000円/tube  
                                  算出式 120,000円+(12,000円/tube×化合物数×濃度数×duplicate)

報告書作成費                    スクリーニングあるいは申請用試験など用途により費用が変わりますので、随時お問い合わせ下さい。

\* 測定項目については特許の関係で予告なく変更することがありますので、ご了承下さいますようお願い致します。