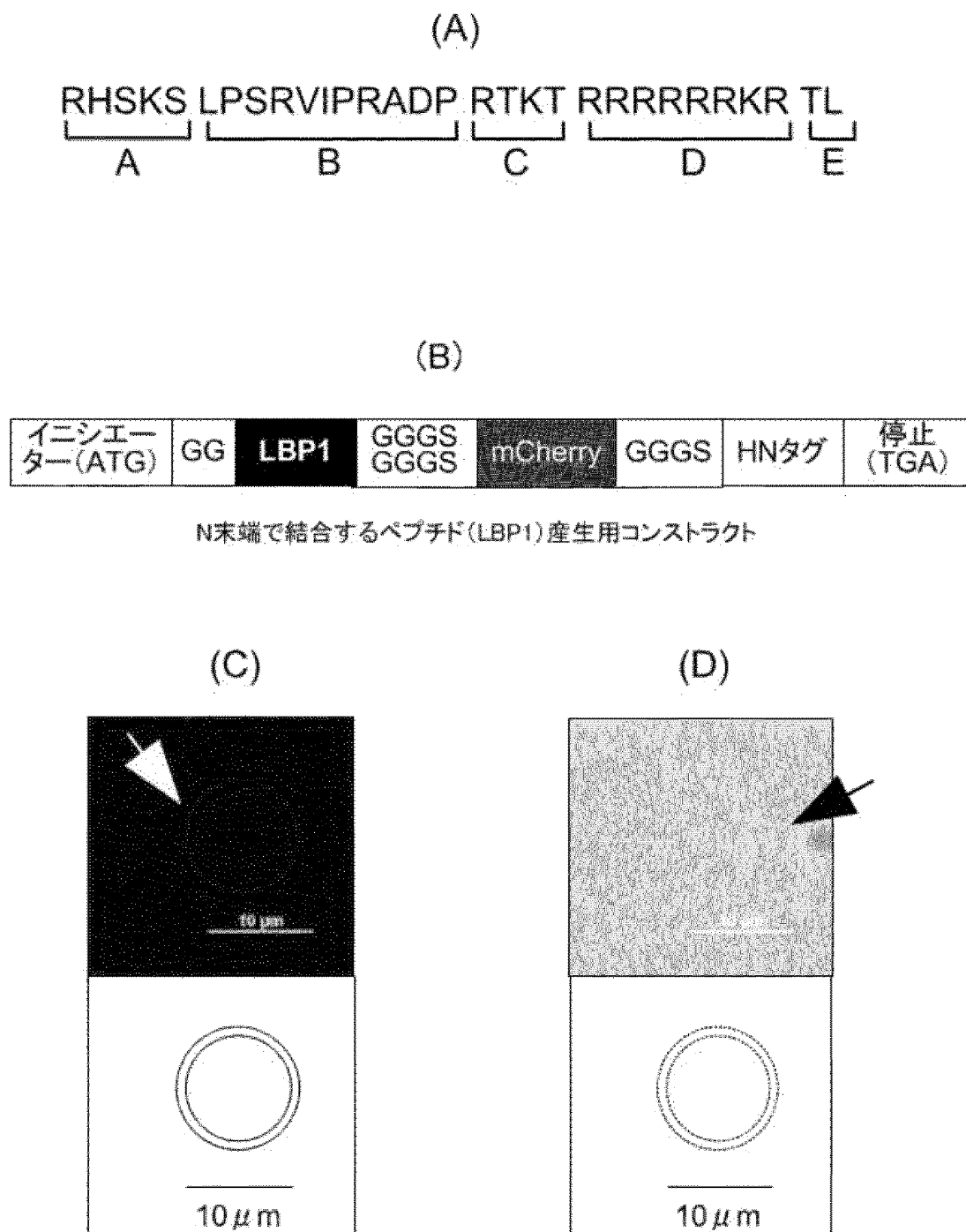
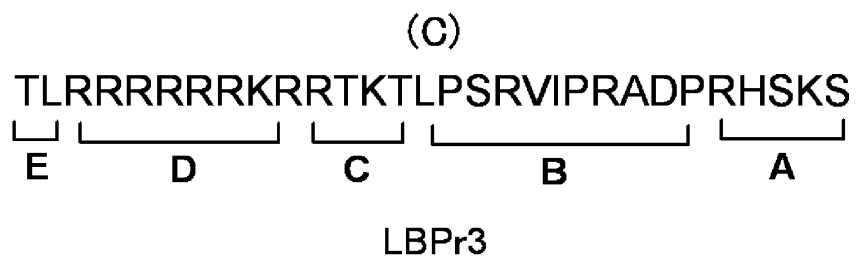
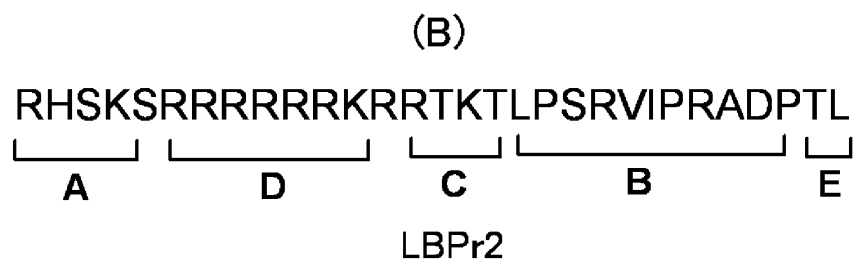
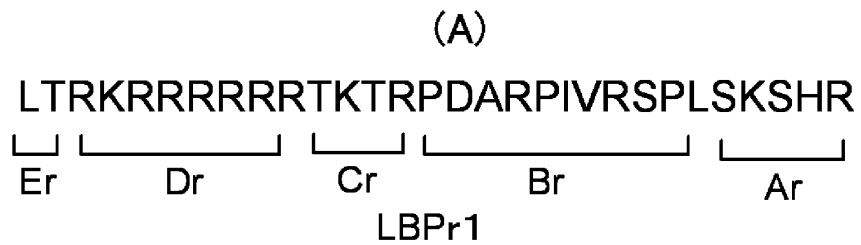


[図1]



[図2]

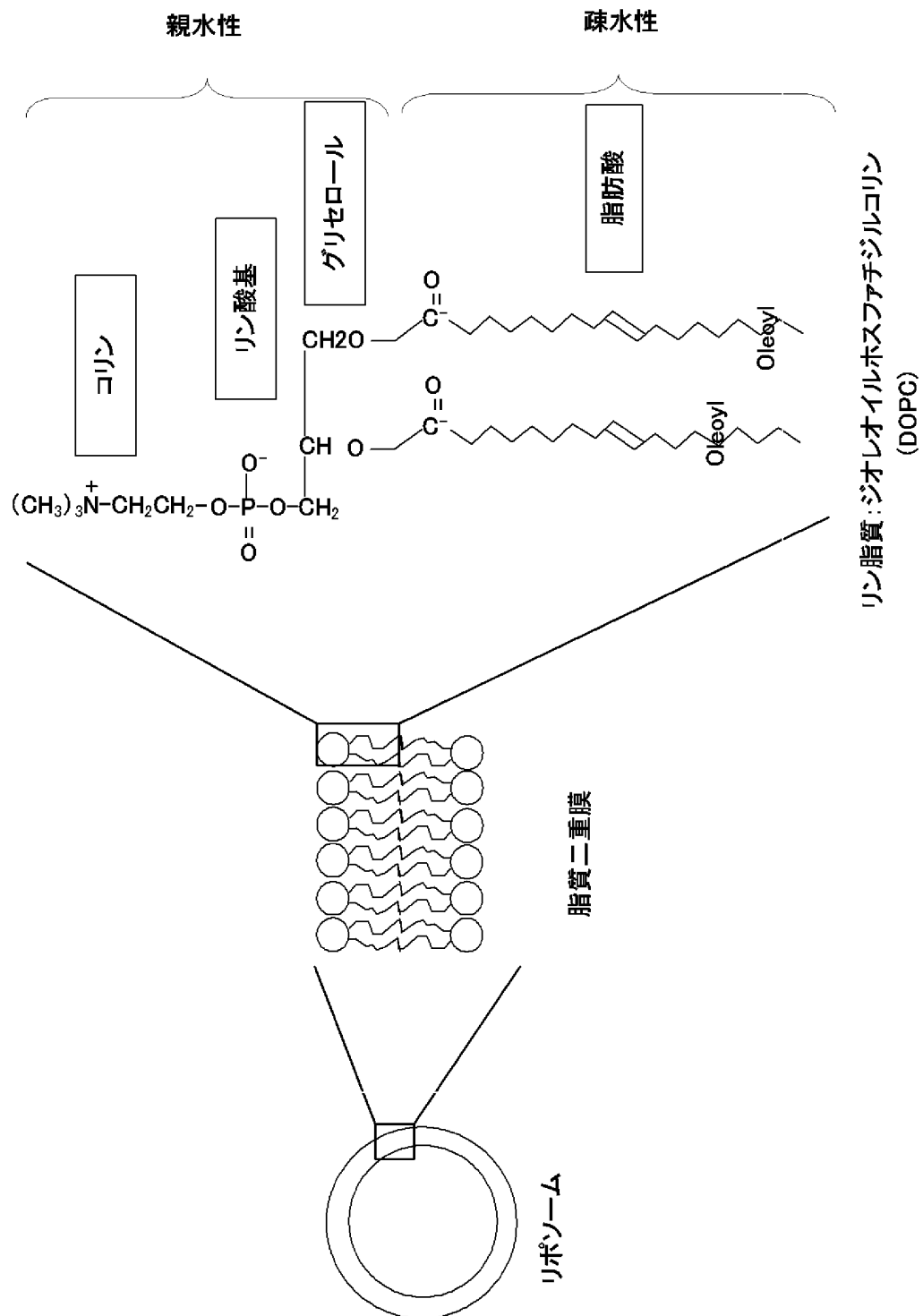


(D)

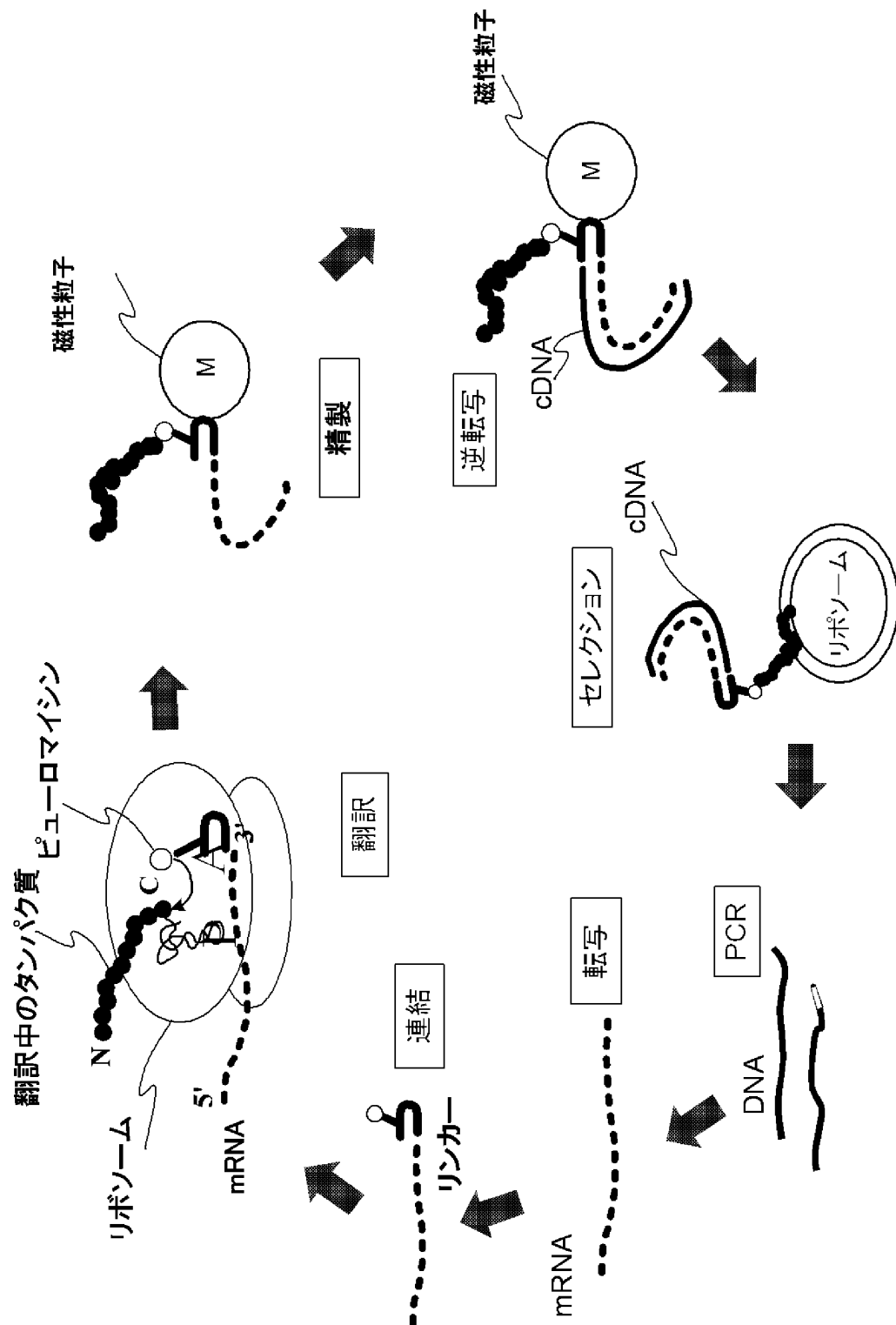
HNタグ	GGGS	mCherry	GGGSGGGS	LBPr1	停止
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C末端で結合するペプチド(LBPr1)産生用コンストラクトの模式図

[図3]



[図4]



[図5]

インバースPCRによるmCherry-R8 融合タンパク質の作製

(A) 挿入配列 **R8**

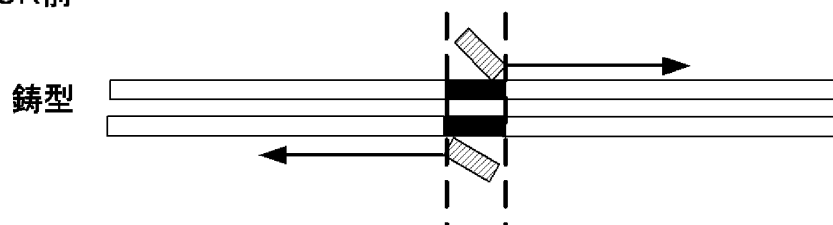
(B) 鋳型 (本配列を有するpET21aベクター)

HNタグ	GGGS	mCherry	GGGS GGGS	LBPr1	停止コドン
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(C) PCR 産物

HNタグ	GGGS	mCherry	GGGS GGGS	R8	停止コドン
------	------	---------	--------------	----	-------

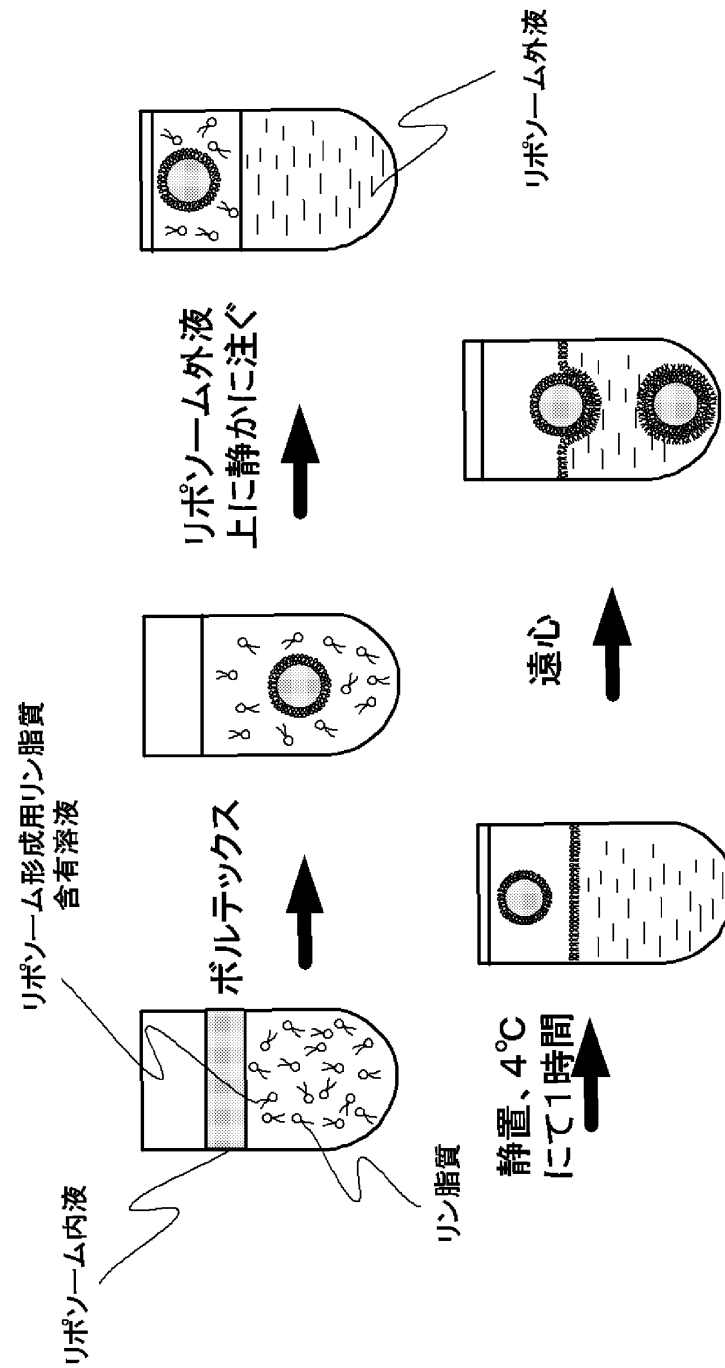
(D) PCR前



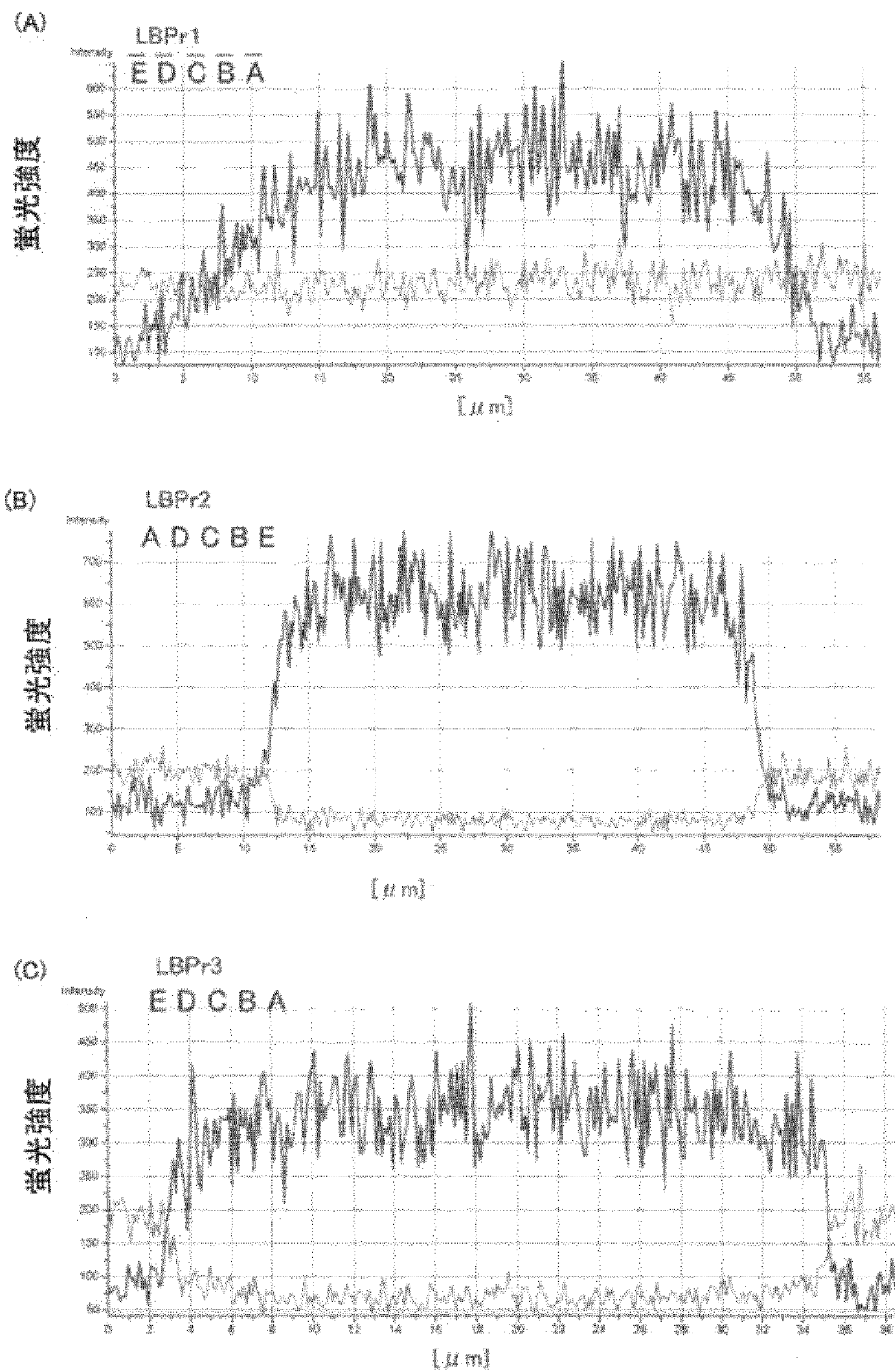
PCR後



[図6]

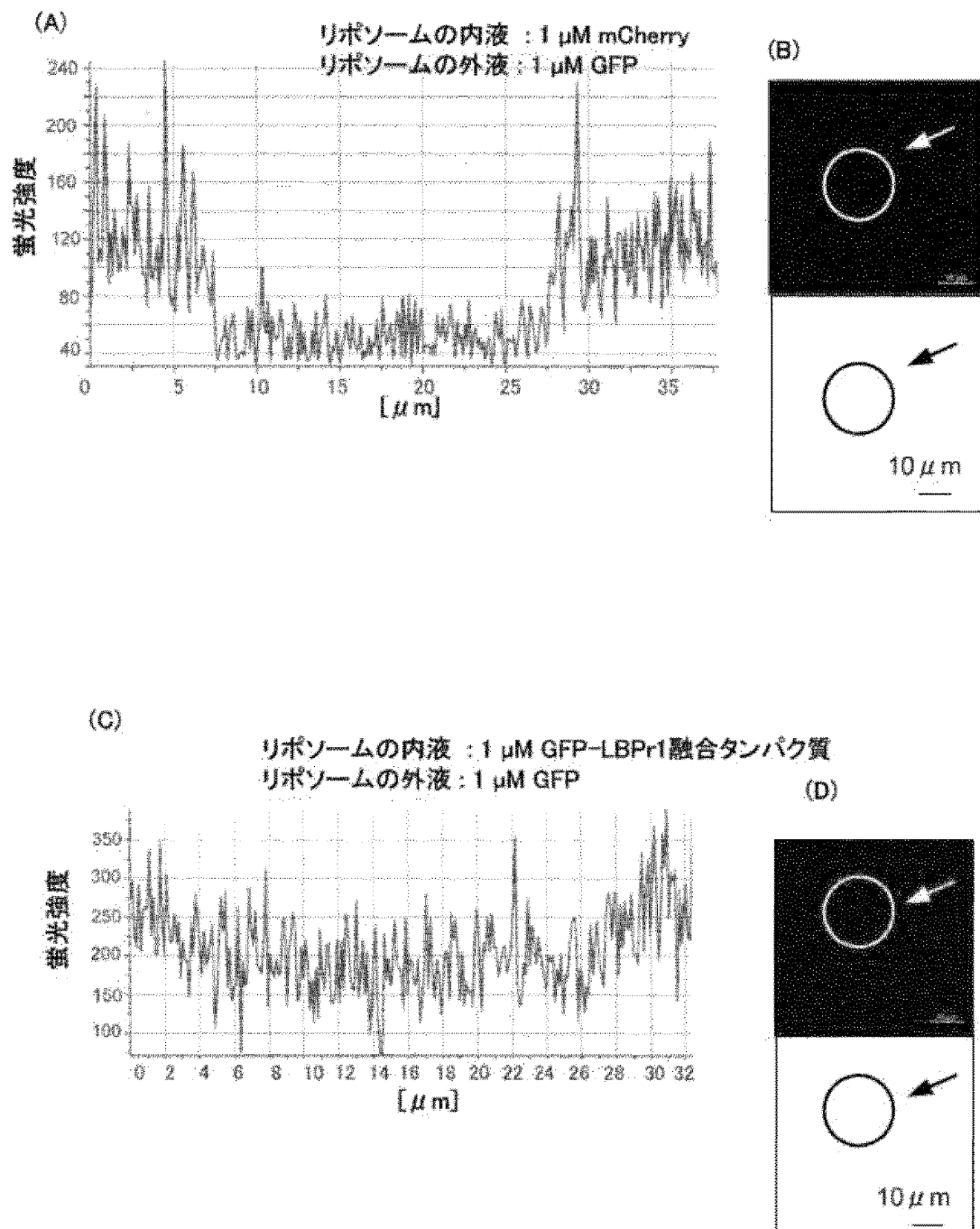


[図7]



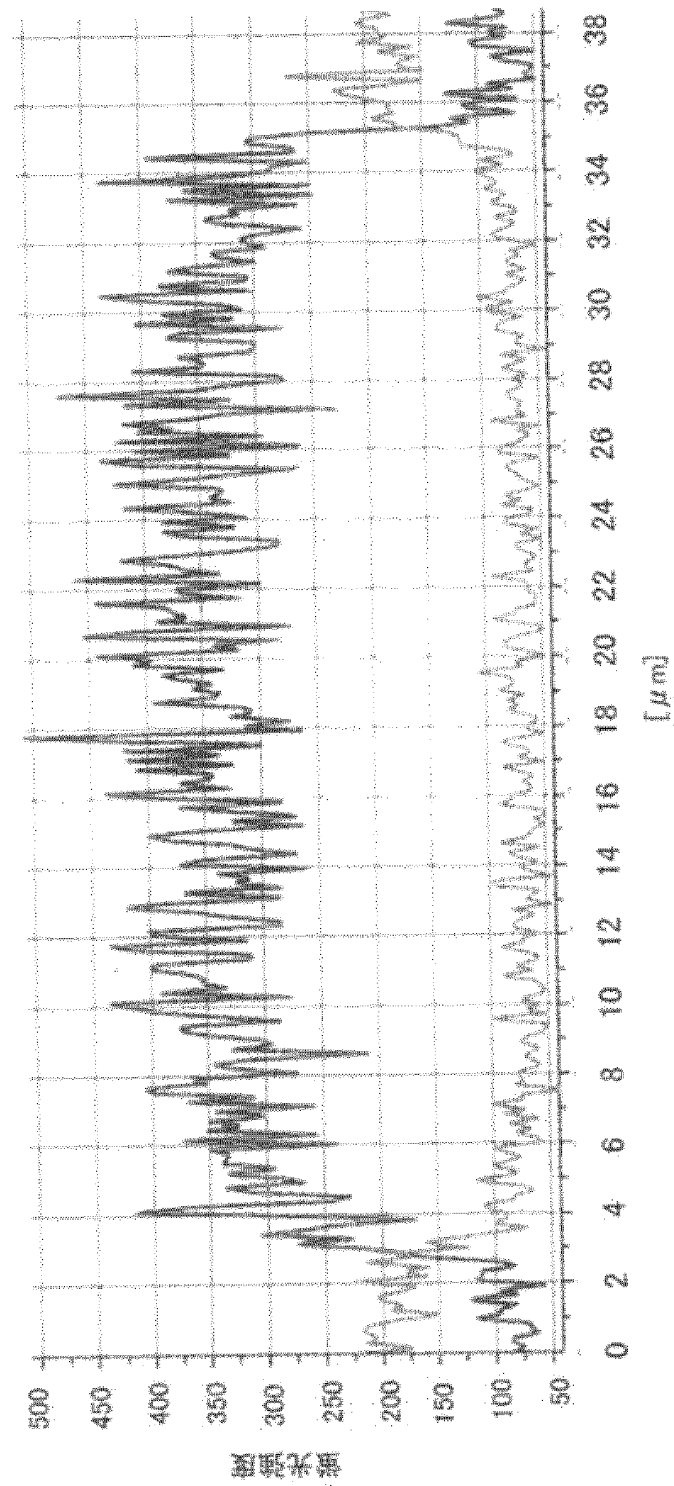
M-Cherry-LBP_r1のみがDOPCリボソーム内に取り込まれる

[図8]

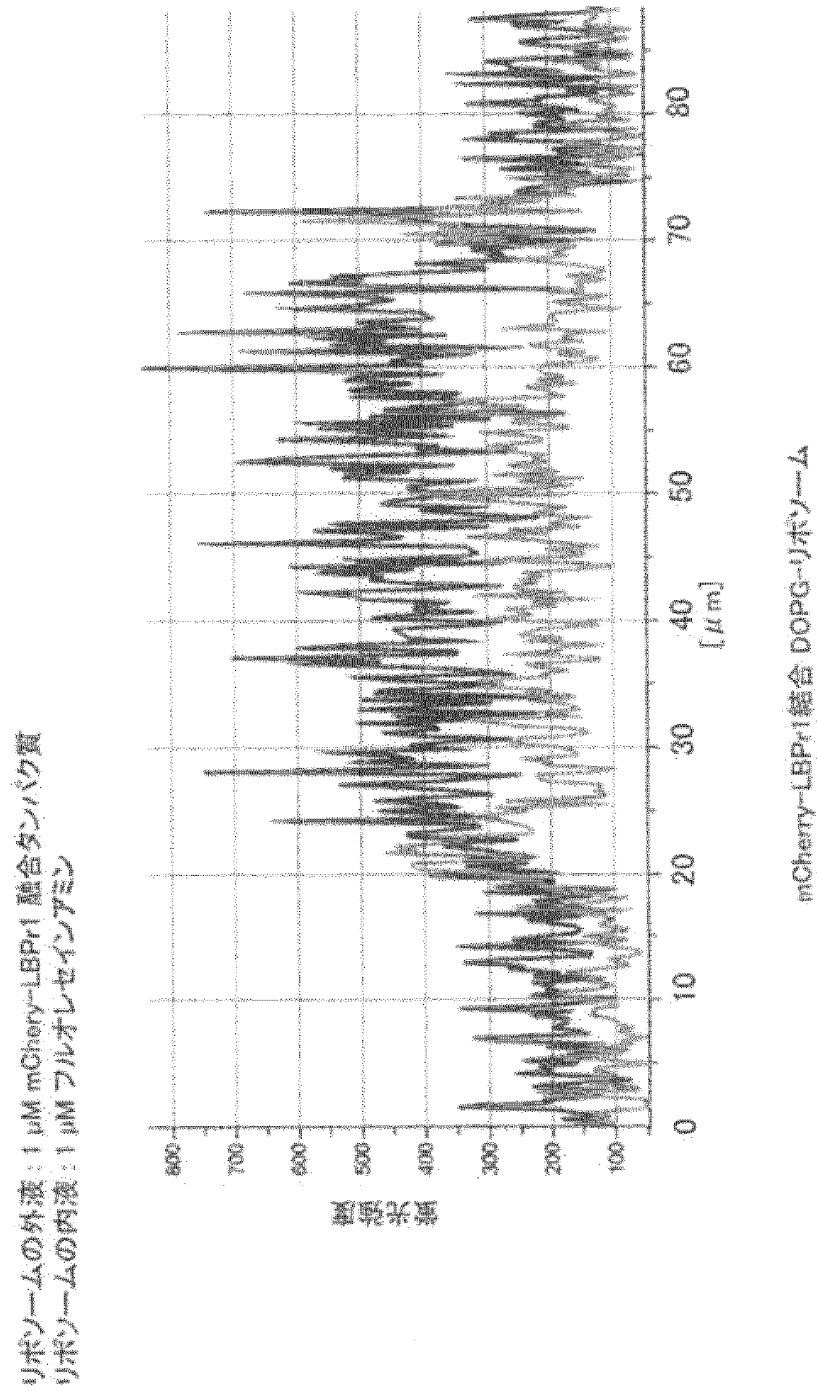


[図9]

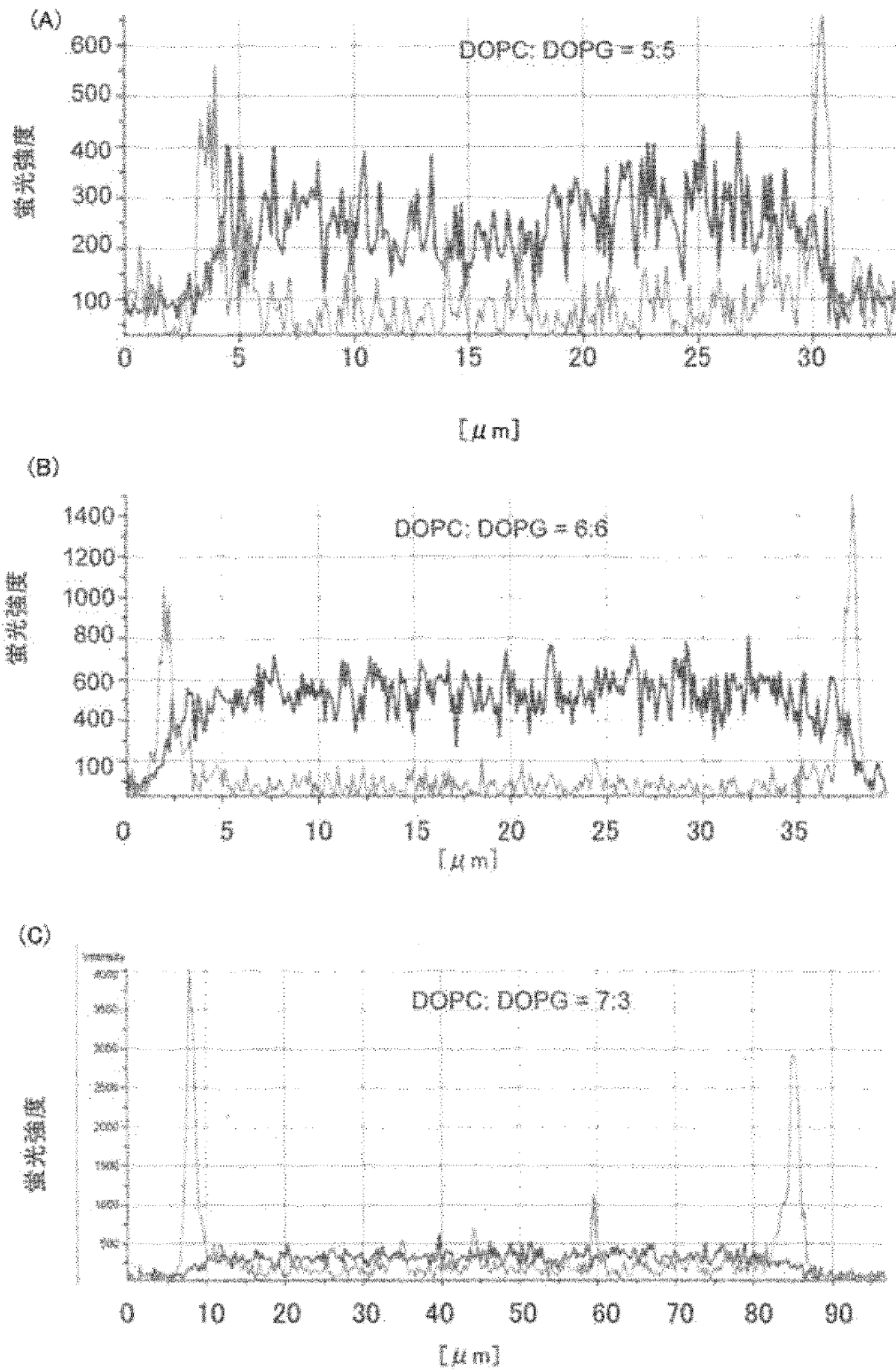
mCherry-LBPri 結合DOPG-リボソーム

リボソームの外液: 1 μ M mCherry
リボソームの内液: 1 μ M フルオレセインアミン

[図10]

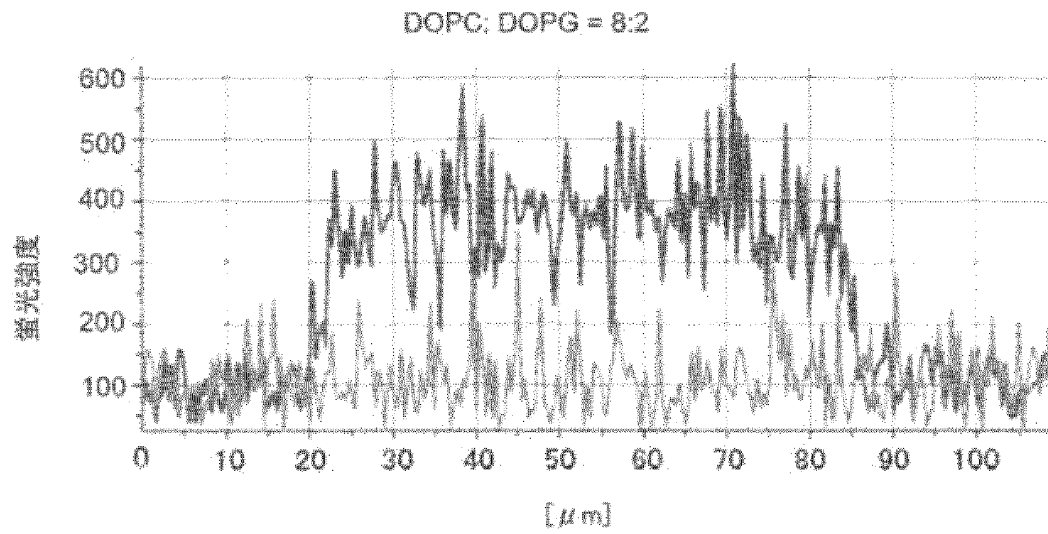


[図11]

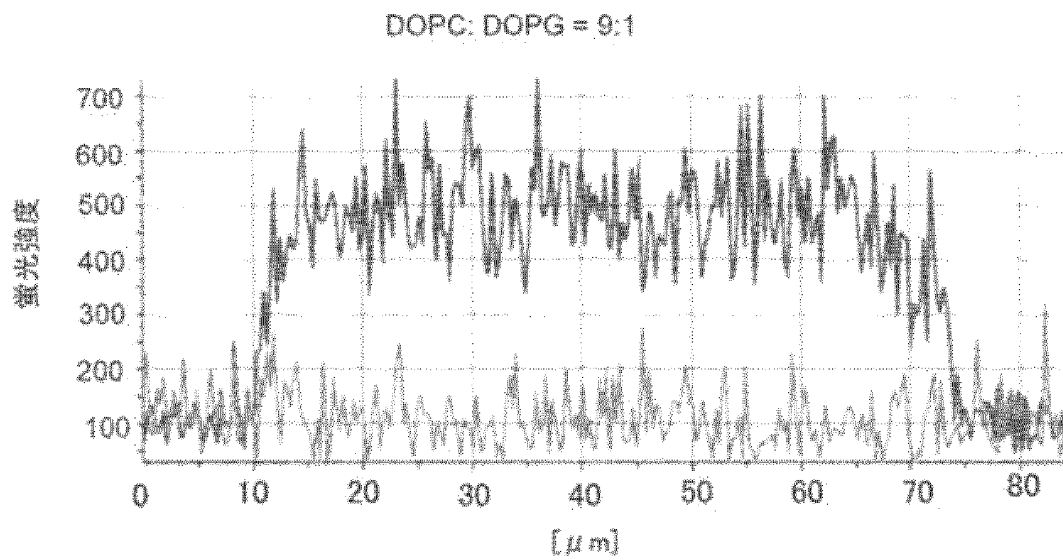


[図12]

(A)

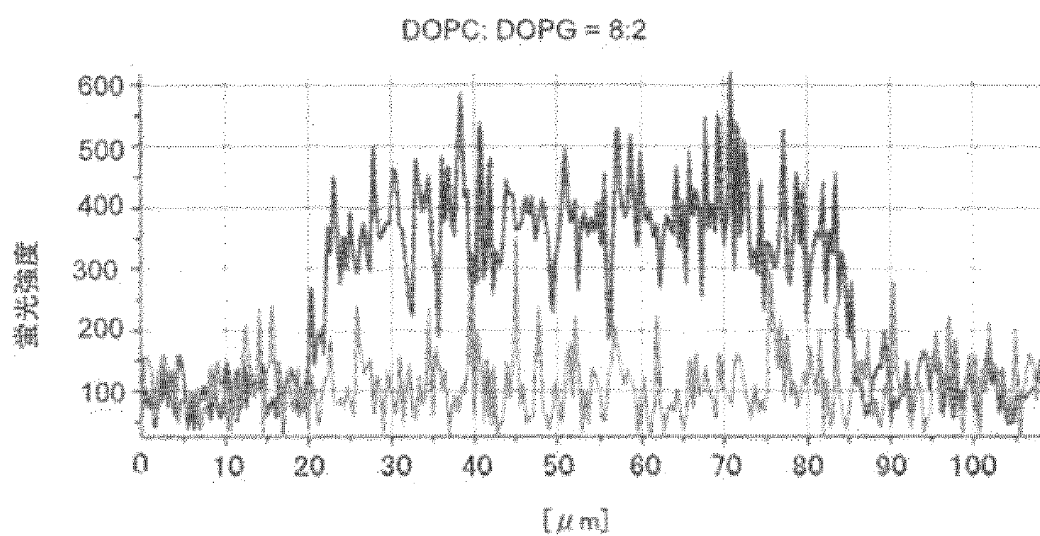


(B)

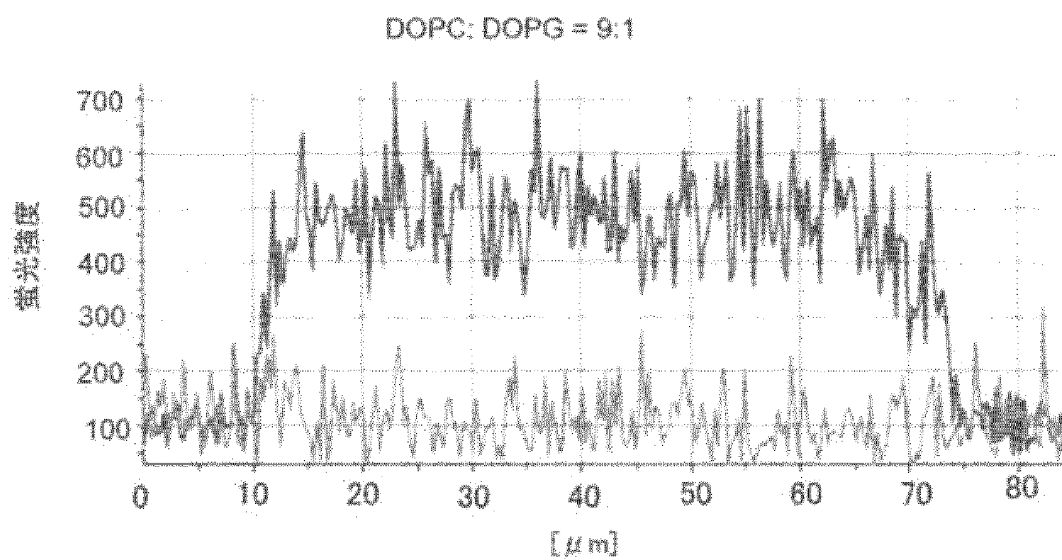


[図13]

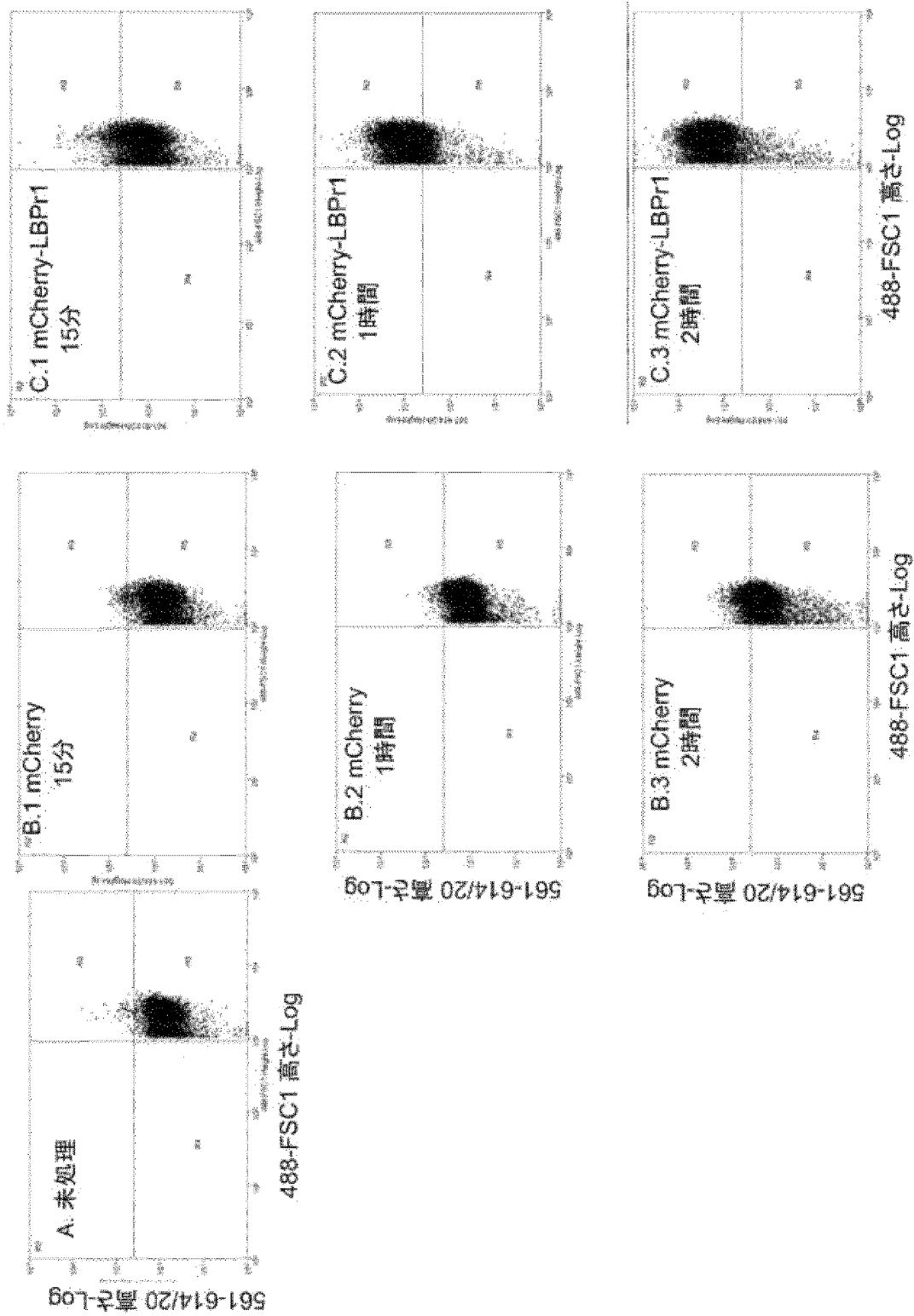
(A)



(B)



[図14]



[図15]

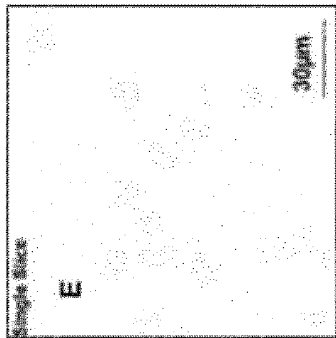
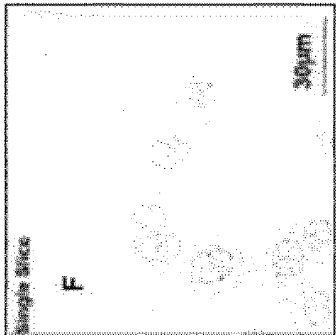
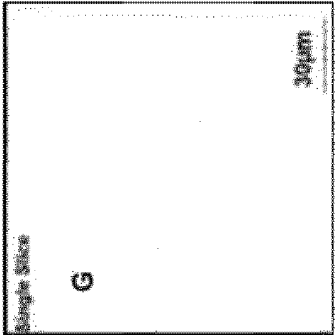
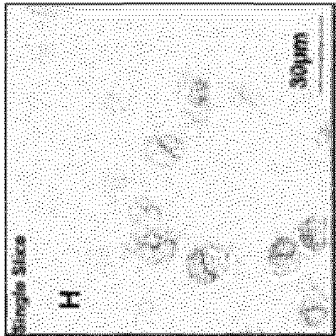
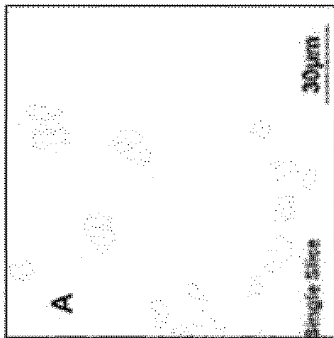
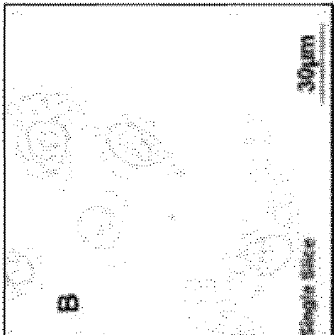
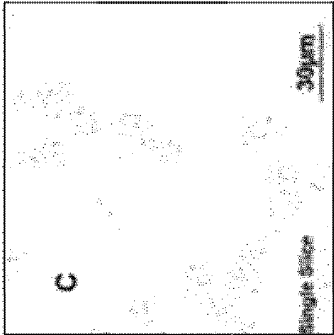
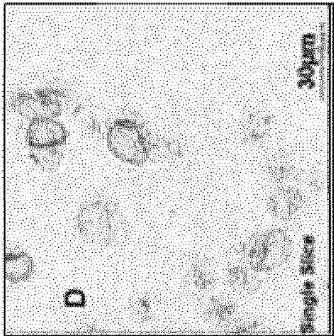
ImmCherry-LBPr1 又は mCherry とともにHeLa細胞を、37°Cにて5%CO₂ インキュベーター中にて、2時間インキュベート(DMEM(-))し洗浄後、共焦点顕微鏡観察

合成

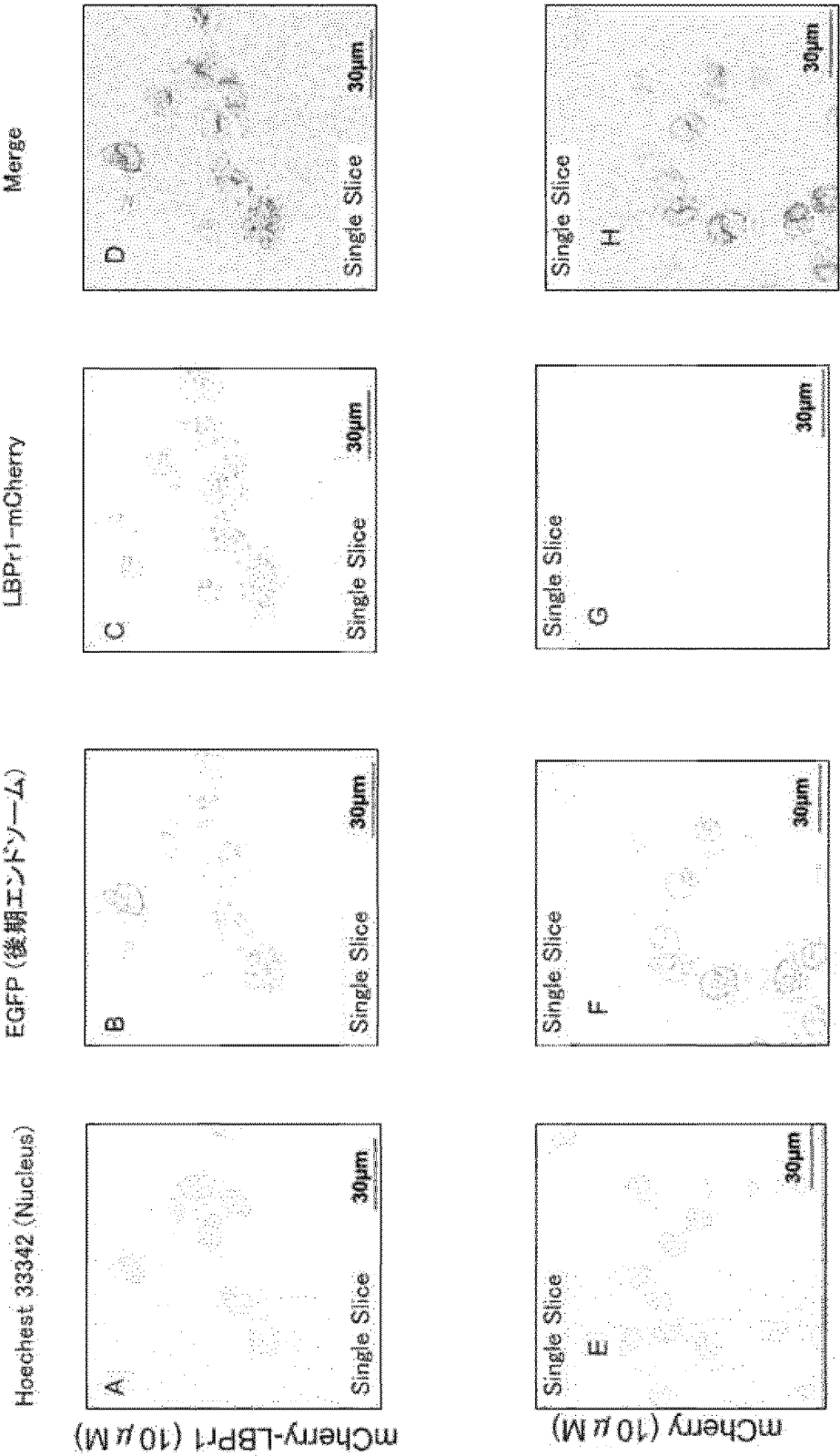
LBPr1-mCherry

EGFP(後期エンドソーム)

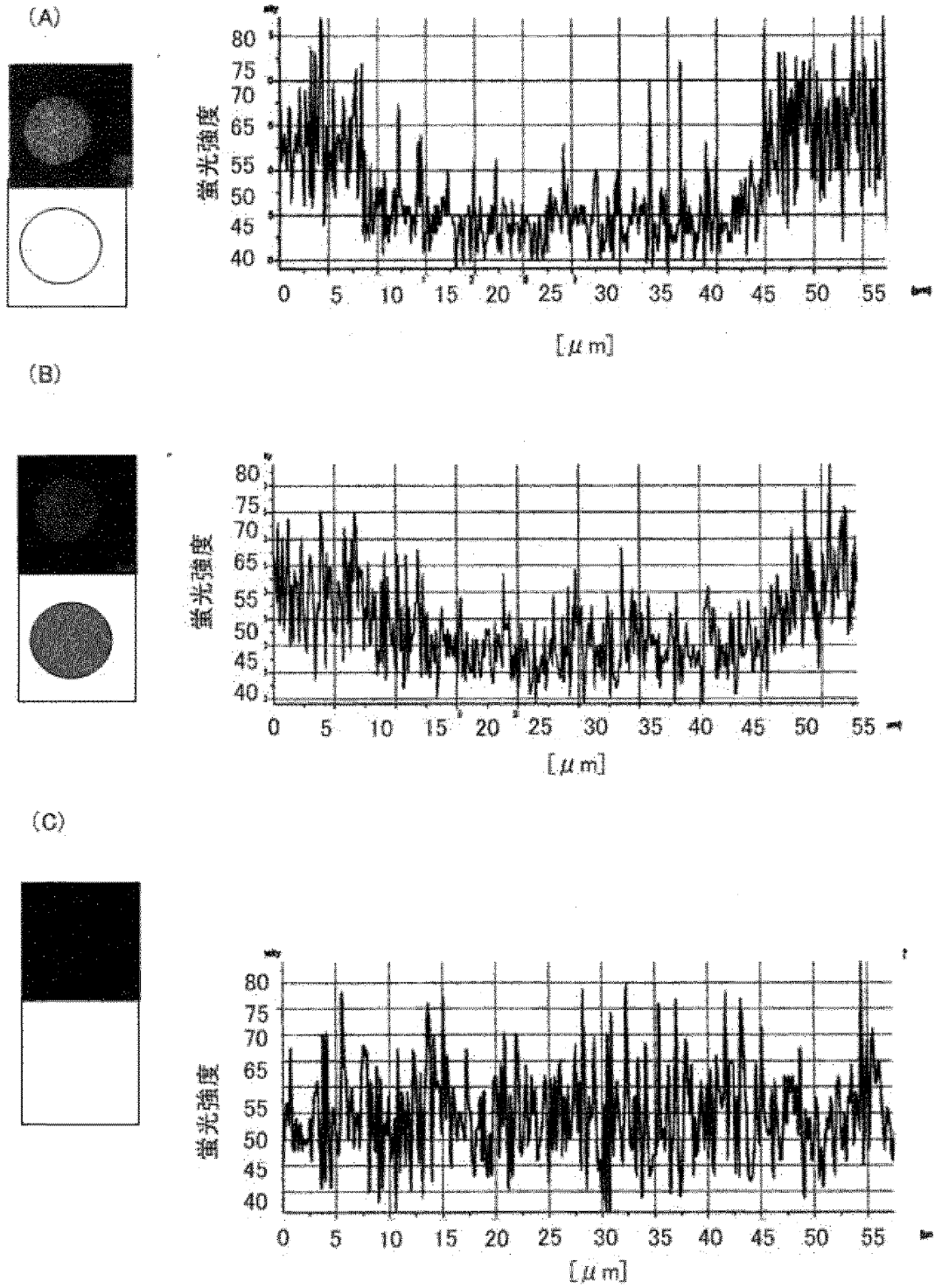
Hoechst 33342 (核)



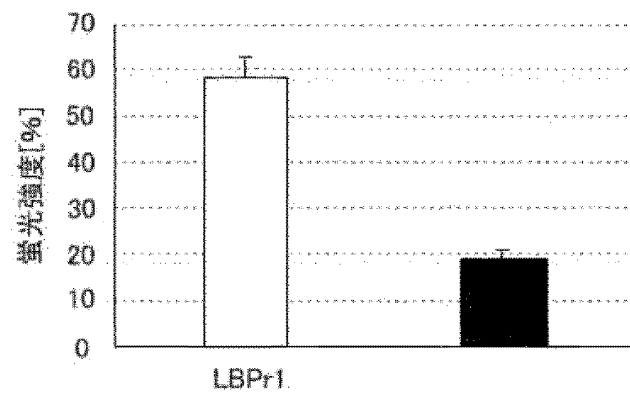
[図16]



[図17]



[図18]



mCherry-LBP1融合タンパク質又はmCherry-R8融合タンパク質のmCherryと比較したときの蛍光強度比(n=10)