

[蛋白質/抗體] 標定試劑

Fluorophore

Biotin / Streptavidin

HRP / AP

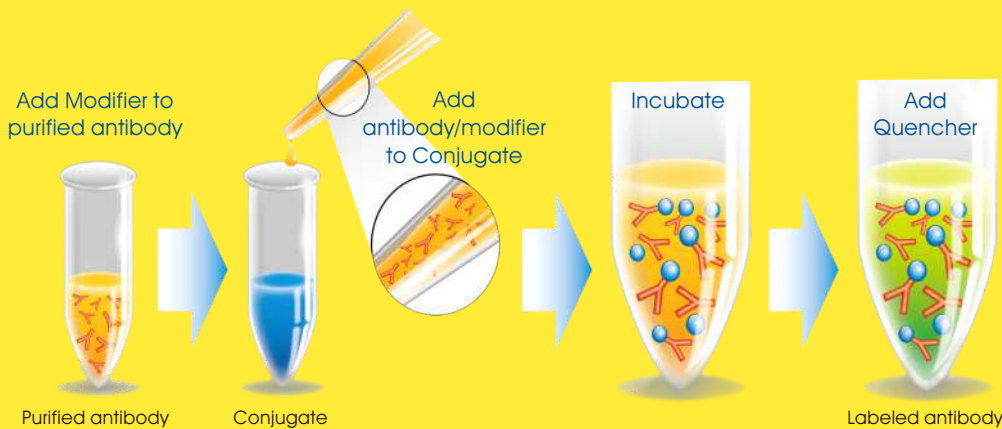
Gold

TRF (Eu, Tb, Sm)

Fluorophore / Biotin / Streptavidin / Enzyme / Gold Conjugation Kits

Conjugation Kits 系列產品能迅速便利地將螢光染料、酵素、Biotin、Streptavidin 或奈米金等常用標記物標定至抗體或蛋白質分子上，是 Flow cytometry, Western blot, ELISA, IHC 等實驗應用的利器！

- 30 秒的手動操作時間
- 20 分鐘內即完成標定 (Fast conjugation kit)
- 100% 產物回收率
- 微量蛋白 (10 μ g) 即可進行標定



掃描瀏覽完整說明

Fluorophore Fast Conjugation Kits

Conjugate	Ex/Em	Cat. No.
AMCA	350/445	ab195224
Cy3®	548/561	ab188287
Cy5®	647/665	ab188288
Dylight® 350	353/432	ab201797
Dylight® 405	400/420	ab201798
Dylight® 488	493/518	ab201799
Dylight® 550	562/576	ab201800
Dylight® 594	593/618	ab201801

Conjugate	Ex/Em	Cat. No.
Dylight® 633	638/658	ab201802
Dylight® 650	652/672	ab201803
Dylight® 680	692/712	ab201804
Dylight® 755	754/776	ab201805
Dylight® 800	777/794	ab201806
FITC	495/519	ab188285
Rhodamine	570/590	ab188286
Texas Red®	595/613	ab195225





Fluorophore Standard Conjugation Kits



Conjugate	Ex/Em	Cat. No.
APC	650/660	ab201807
APC / Cy5.5®	650/694	ab102855
APC / Cy7®	650/774	ab102859
B-PE	545/575	ab102871
FITC	495/519	ab102884
PE / Cy5®	565/666	ab102893

Conjugate	Ex/Em	Cat. No.
PE / Cy5.5®	496,565/670	ab102899
PE / Cy7®	565/778	ab102903
PerCP	482/678	ab102907
PerCP / Cy5.5®	482/678	ab102911
R-PE	496,566/575	ab102918



Biotin / Streptavidin / Enzyme Conjugation Kits



Conjugate	Cat. No.
Biotin (type A) Fast	ab201795
Biotin (type B) Fast	ab201796
Biotin (type B)	ab102867
Streptavidin	ab102921

Conjugate	Cat. No.
Alkaline phosphatase (AP)	ab102850
Glucose oxidase (GOx)	ab102887
Horse radish peroxidase (HRP)	ab102890



Gold Conjugation Kits



Conjugate	Cat. No.
GOLD conjugation kit (10 nm, 20 OD)	ab201808
GOLD conjugation kit (20 nm, 20 OD)	ab188215
GOLD conjugation kit (40 nm, 20 OD)	ab154873
GOLD conjugation kit (60 nm, 20 OD)	ab188216
GOLD conjugation kit (80 nm, 20 OD)	ab154876

Conjugate	Cat. No.
GOLD-Biotin conjugation reagent (40 nm, 10 OD)	ab186922
GOLD-Hydrazide conjugation kit (40 nm, 10 OD)	ab188284
GOLD-Oligonucleotide conjugation kit (40 nm, 20 OD)	ab188290
GOLD-Streptavidin conjugation reagent (40 nm, 10 OD)	ab186864



Antibody Purification & Concentration Kits



抗體的濃度以及成份對於標定反應效率的影響至關重要，「抗體純化、濃縮」等試劑組可協助您擁有最佳的標定品質！

Product	Cat. No.
Antibody Purification Kit (Protein A)*	ab102784
Antibody Purification Kit (Protein G)*	ab128747
Mouse Antibody Purification Kit*	ab128745
Antibody TCS Purification Kit*	ab109207
Mouse TCS Purification System*	ab128749

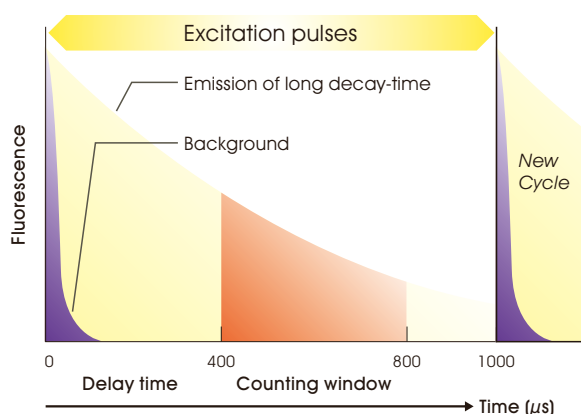
Product	Cat. No.
Antibody Serum Purification Kit (Protein A)*	ab109209
Serum Antibody Purification Kit (Protein G)*	ab128751
Antibody Concentration Kit (3 columns)	ab102778
BSA Removal Kit (up to 1.25 mL antibody with 0.5% BSA)	ab173231

*1 or 3 purifications

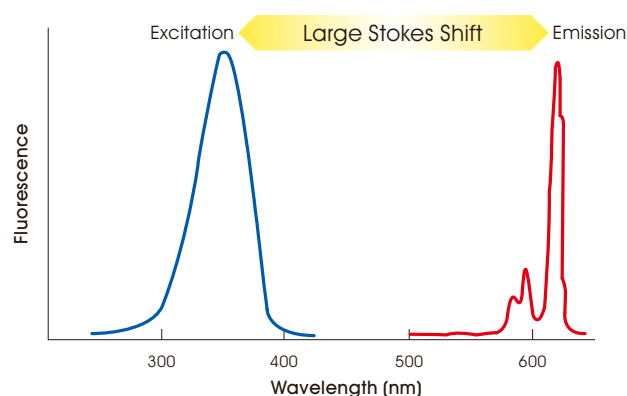
TRF Labeling Reagents

時差性螢光 (Time-Resolved Fluorescence, TRF) 標定系列產品，可將鐳系元素 (Eu、Tb、Sm) 螯合物 (chelate) 標定在蛋白質或抗體上，適用於目標蛋白定量、分子間結合、酵素活性分析等檢測實驗。與一般螢光相比，時差性螢光具有以下優勢特點：

低背景值 這類螢光半衰期較長（達到 1000 微秒），可藉由延後偵測時間，排除大部分的背景螢光干擾。



高靈敏度 激發光 (excitation) 與發射光 (emission) 波長差異大，不會互相干擾，有效提高偵測靈敏度。



LANCE labeling reagent

標定後的分子即可產生時差性螢光訊號

掃描瀏覽
完整說明



Reactive with	Cat. No.	Product	Pack Size
Free Amino groups	PK-AD0096	LANCE Eu-W1024-ITC Chelate & Eu Standard	100 μ g
Free Sulfhydryl groups	PK-AD0107	LANCE Eu-W1284-Iodoacetamido Chelate & Eu Standard	100 μ g
Free Amino groups, Sulfhydryl groups, and Hydroxyl groups	PK-AD0020	LANCE Eu-W8044-DTA Chelate & Eu Standard	1 mg

DELFIA labeling reagent

標定後的分子沒有螢光，需搭配解離溶液才會產生時差性螢光訊號

掃描瀏覽
完整說明



Reactive with	Cat. No.	Product	Pack Size
Free Amino groups	PK-1244-302	DELFIA Europium labeling kit (Eu-N1-ITC chelate)	0.2 mg
	PK-AD0021	Eu-DTPA-ITC chelate	1 mg
	PK-1244-301	Eu-N1 ITC chelate	1 mg
Free Sulfhydryl groups	PK-AD0002	Eu-N1-Iodoacetamido chelate	1 mg
	PK-AD0024	Eu-DTPA-DTA chelate	1 mg
Free Amino groups, Sulfhydryl groups, and Hydroxyl groups	PK-AD0004	Eu-N1-DTA chelate	1 mg
	PK-AD0023	Eu-DTPA-amino chelate	1 mg
Carboxyl groups	PK-AD0023	Eu-DTPA-amino chelate	1 mg
	PK-AD0003	Eu-N1-amino chelate	1 mg

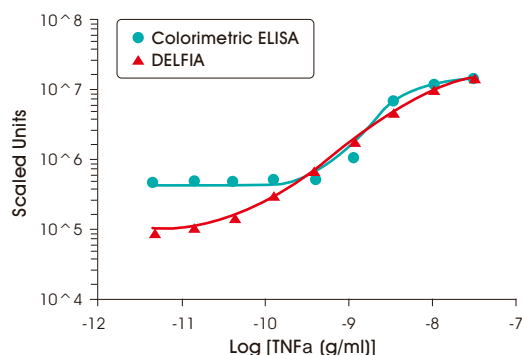
DELFIImmunoassays

比傳統ELISA更靈敏

DELFI免疫檢測方式是將傳統ELISA實驗中的HRP標定物，取代之為鐳系元素 (Eu、Tb、Sm) 螯合標定物，後續再加入「解離溶液」即可進行時差性螢光 (TRF) 訊號偵測。具有以下特點：

- **高訊噪比！** 比傳統偵測方式靈敏度更高，且能大幅排除背景值干擾。
- **偵測範圍更廣！** >3~4 logs，減少樣本再次稀釋需求。
- **訊號穩定！** 不須額外添加 Stop solution，反應完成後，訊號可穩定維持 48 小時。
- **多目標偵測！** 使用不同鐳系元素 (Eu、Tb、Sm) 標定分子，即可於同一 Well 進行至多 3-plex 分析。
- **眾多文獻引用**
 - *J Bone Miner Res.* 2019 Mar;34(3):447-454. PMID: 30537188
 - *Arthritis Res Ther.* 2018 Jul 27;20(1):152. PMID: 30053827
 - *J Cell Mol Med.* 2018 Jan;22(1):141-151. PMID: 28840975

Colorimetric ELISA vs. DELFIA

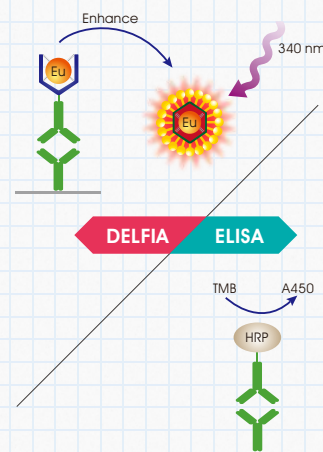


	DELFIA	ELISA
LDL (pg/ml)	<0.5	371
Dynamic Range	>4 logs	~2 logs

DELFIA significantly outperforms colorimetric ELISA in both sensitivity and dynamic range.

實驗流程比較

	ELISA	DELFIA
STEP ①	Coat plate with capture antibody	
STEP ②	Add sample	
STEP ③	Incubate; wash	
STEP ④	Add HRP-labeled detection antibody	Add Eu-labeled detection antibody
STEP ⑤	Incubate; wash	
STEP ⑥	Add substrate; monitor closely	Add Enhancement Solution
STEP ⑦	Stop reaction	No stop reaction required
STEP ⑧	Read absorbance promptly	Measure TRF



Cat. No.	Product	Pack Size
PK-1244-360	DELFI Eu-N1 Streptavidin	250 µg
PK-AD0124	DELFI Eu-N1 Rabbit Anti-Mouse-IgG	50 µg
PK-AD0105	DELFI Eu-N1 Goat anti-Rabbit IgG	200 µg
PK-1244-330	DELFI Eu-N1 Anti-Human IgG	100 µg
PK-AAAND-0001	DELFI Yellow Plate, Yellow 96-well MicroPlate	60 plates
PK-1244-104	DELFI Enhancement Solution	50 ml
PK-C500-100	DELFI Enhancer	50ml
PK-4013-0010	DELFI Inducer	250 ml



掃描瀏覽完整說明