

For Research Use Only

ZymeBright™ PE Site-Specific Antibody Conjugation Kit

Catalog Number: PK30080



Product Information

ZymeBright™ PE Site-Specific Antibody Conjugation Kit is enzymatic method for the conjugation of PE to the Fc region of Rabbit IgG, Rat IgG1 & IgG2a, Human IgG1-4, or Mouse IgG1 & IgG3 for the use in fluorescent immunoassays. The expected degree of labeling (F/P ratio) of antibodies conjugated with this kit is 2.

Product Components

Cat No.	Name	Size
Component A (PK3007X-A)	Antibody Modifier Reagent (Vial A)	5 uL
Component B (PK30080-B)	Lyophilized Modified PE (Vial B)	1 rxn
Component C (PK3007X-C)	Lyophilized PTGase (Vial C)	3 mg (provided in excess)
Component D (PK3007X-D)	Conjugation Buffer (Vial D)	200 uL
Component E (PK3007X-E)	Quenching Reagent (Vial E)	5 mg
Component F (PK3007X-F)	0.6 mL Low Adhesion Tube	0.6 mL*2
Labeling Scale: 100 ug unconjugated antibody		

Package

100 ug

Storage

Store at -20°C for up to 1 year. After opening, store at 2-8°C. Protect from light and moisture. Reagents must be used within 1 week of opening.

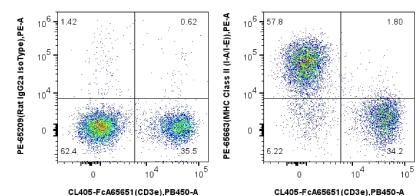
Buffer Compatibility

Buffer Components & Conditions	
Purified antibody	Yes
Antibody in ascites fluid, serum, hybridoma or tissue culture media	No
Antibody concentration	0.5-2 mg/mL
pH	6.5-8.0
Amine free buffer (e.g. MES, MOPS, HEPES, PBS)	Yes
Non-buffering salts (e.g. sodium chloride)	Yes
BSA	Yes
Sodium Azide	Yes
Chelating agents (e.g. EDTA)	Yes
Glycerol	<10%
Sugars	Yes
Gelatin	Unknown
Tris	Yes
Glycine	No
Thiomersal / Thimerosal	Yes
Merthiolate	Yes
Proclin	Yes
Borate buffer	Yes
Primary amines (e.g. lysine, peptide or ethanolamine)	No
Heavy metal ions (Zn^{2+} , Cu^{2+} , Mn^{2+} , or Fe^{3+})	No

Required Materials

Orbital Thermal Mixer, Pipettes, Sterile PBS.

Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Rat RecAb (PE-65663, Clone: M5/114.15.2), and 0.1 ug PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3), and 0.1 ug FcZero-rAb® CoraLite® Plus 405 Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (CL405-FcA65651, Clone: 145-2C11). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

For technical support and original validation data for this product please contact

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