

For Research Use Only

ZymeBright™ Site-Specific DBCO-Ready Antibody Conjugation Kit (2x Azide)

Catalog Number: PK30100



Product Information

ZymeBright™ Site-Specific DBCO-Ready Antibody Conjugation Kit (2x Azide) is enzymatic method for the conjugation of any DBCO-functionalized conjugate, such as oligonucleotides, fluorophores, enzymes, beads, or bioactive molecules, 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 (PK30100-B)	Lyophilized Linker (2x Azide) (Vial B)	100 ug
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.

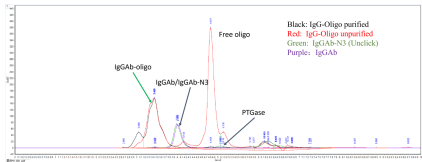
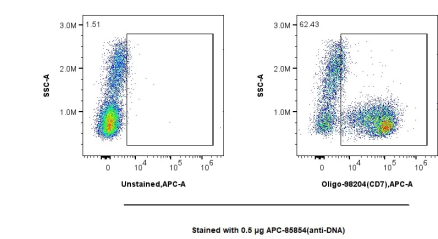
Buffer Compatibility

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

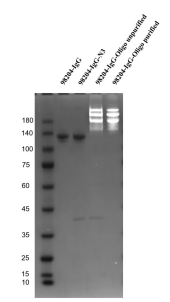
Required Materials

Orbital Thermal Mixer, Pipettes, Sterile PBS, EDTA, DBCO-modified conjugate, Desalting column or ultracentrifugation tube, Ultrapure water (DNase/RNase free), Ultra-micro spectrophotometer, Method for conjugated antibody purification (see Step 16).

Validation Data



SEC-UHPLC Result.



Analysis results of Oligo-Conjugated 98204-1-RR via SDS- PAGE with DNA Staining.