

Product datasheet

LINKBRIGHT™

Thiol Antibody Conjugation kit

CPN420 / 435 / 475 / 510 / 510B / 580 / 610 / 680 / 770 / 830 / 900 / 1130

Overview

Stream Bio's LINKBRIGHT™ Thiol IgG Antibody Conjugation kit allows covalent linkage reactions to be readily carried out without access to specialist chemistry capabilities. The kit is designed to be specific for CPN - antibody / protein linkage, has a rapid reaction time of 60mins in two steps, and comes in three sizes for the conjugation of 10µg, 30µg and 100µg of antibodies.

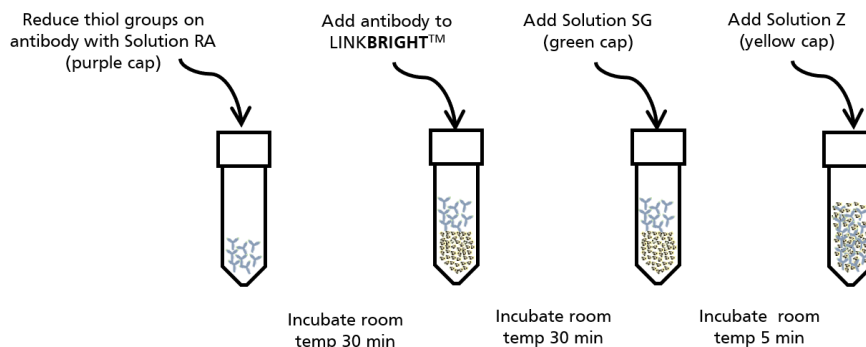
Notes:

1. 1x vial of CPN LINKBRIGHT™ (150 µl) is optimised for ~10 µg of antibody
2. When stored as directed, the kit components are stable for at least 6 months.
3. The kits are not suitable for purifying labelling IgM.
4. The purified IgG must be in a buffer free of ammonium ions, primary amines, or sodium azide preservatives, as they will disrupt the linkage reaction with the CPNs™
5. If the IgG is in, or has been lyophilized from an unsuitable buffer (e.g. Tris or glycine) or purified with ammonium sulphate, the buffer needs to be replaced with HEPES.
6. IgG antibodies can be purified and resuspended using the reagents in the kit and the procedure in the manual.
7. To prepare other reagents for linkage use standard methods for those material, e.g. microdialysis or column separation.
8. Impure antibodies, antibodies stabilized with bovine serum albumin (BSA) / gelatin or contain antimicrobials such as sodium azide will not label well and should be purified using the IgG antibody purification procedure described in the manual.
9. For specific CPN wavelength details, refer to respective CPN product datasheet / SDS.

Kit contents and storage

Vial / cap colour	Item (colour coded)	Quantity			Storage
		1 vial	3 vials	10 vials	
1. Grey*	(150µl) LINKBRIGHT™ Thiol	1 vial	3 vials	10 vials	-20°C
2. Blue	IgG antibody purification reagent [§] (200µl)	1 vial	1 vial	1 vial	4°C
3. Purple	Solution RA (200µl)	1 vial	1 vial	1 vial	-20°C
4. Orange	Solution SC (200µl)	1 vial	1 vial	1 vial	-20°C
5. Yellow	Solution Z (200µl)	1 vial	1 vial	1 vial	-20°C

Thiol IgG Antibody Conjugation



For illustrative purposes only - please refer to the conjugation manual / protocol