

Materials List for:

# Microfluidic On-chip Capture-cycloaddition Reaction to Reversibly Immobilize Small Molecules or Multi-component Structures for Biosensor Applications

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## Materials

Name	Company	Catalog Number	Comments
<b>Reagent</b>			
Sensor Chip CM5	GE Healthcare	BR-1005-30	
Amine coupling kit	GE Healthcare	BR-1000-50	
GST capture kit	GE Healthcare	BR-1002-23	
NAP-10 Columns	GE Healthcare	17-0854-01	
GST, lyophilized in 1X PBS	Genscript	Z02039	1 mg/ml
rhFKBP12	R&D Systems	3777-FK	
Surfactant P-20	GE Healthcare	BR-1000-54	
Glycine 2.0	GE Healthcare	BR-1003-55	
Zeba spin desalting column	Thermo	89882	7 K MWCO
Amicon Ultra 4	Fisher	UFC810096	100 K centrifugal filter
TCO-OH	Ref. 8		Synthesized in-house
TCO-NHS	Ref. 8		Synthesized in-house, *Commercially available from Click Chemistry Tools # 1016-25
Tz-BnNH <sub>2</sub>	Ref. 8		Synthesized in-house
Tz-NHS	Ref. 8	764701	Synthesized in-house, *Commercially available from Sigma Aldrich # 764701
NP-NH <sub>2</sub> = CLIO-NH <sub>2</sub>	Ref. 8		Synthesized in-house
AP1497, AP1497-Tz	Ref. 8		Synthesized in-house
<b>Equipment</b>			
SPR Biosensor	GE Healthcare	Biacore T100	