

Materials List for:

A GPC3-targeting Bispecific Antibody, GPC3-S-Fab, with Potent Cytotoxicity

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Materials

Name	Company	Catalog Number	Comments
Shaking incubator	Thermo Fisher	MAXQ 4000	
Shaking incubator	Zhicheng	ZWYR-D2402	
Centrifuge	Cence	GL-10MD	
Centrifuge	Beckman coulter	Avanti j-26S XPI	
Centrifuge	eppendorf	5810R	
Ultraviolet spectrophotometer	Thermo Fisher	Nanodrop	
Analytical polyacrylamide gel electrophoresis apparatus	Mini-PROTEAN® Tetra	Bio-rad	
Trans-blot apparatus	Criterion	Bio-rad	
Imaging system	Bio-rad	chemidoc tm XRS+	
Fast Protein Liquid chromatogram	GE Healthcare	AKTA avant	
GF column	GE Healthcare	28-9909-44 Superdex 200 Increase 10/300 GL	
Flow Cytometer	Beckman coulter	FC500	
Centrifuge	eppendorf	5702R	
Envision plate reader	TECAN	Infinite F50	
Anti His-tag	eBioscience	14-6657-82	
anti-Flag-tag	Sigma	F1804	
anti-human(H&L)-488	A11013	Invitrogen	
Anti-mouse IgG HRP-linked antibody	Cell Signaling	7076S	
Ni-NTA-Agarose	Tribioscience	TBS9202-100	
IgG-CH1 affinity resin	Thermo Fisher	194320005	
Ficoll-Plaque Plus	GE Healthcare	17-1440-03	
NK cell enrichment kit	Stemcell	19055	
Magnet	Stemcell	18000	
CCK8 kit	Dojindo	CK04	
DMEM	Gibco	C11995500CP	
RPML-1640	Gibco	C11875500CP	
Fetal Bovine Serum (FBS)	Sigma	F2442	
Trypsin	Gibco	15050-057	
Penicillin-Streptomycin	Gibco	15140-122	Cell culture
Standard marker	Sigma Aldrich	MWGF200	Gel filtration
Isopropyl-b-D-thio-galactopyranoside (IPTG)	VWR chemicals	VWRC0487-100G	
Dialysis tubing	Sigma Aldrich	D0655-100FT	

Kanamycin	VWR	VWRC0408-100G	
Ampicillin	VWR	VWRC0339-100G	
Tryptone	Thermo Fisher	LP0042B	
Yeast Extract	Thermo Fisher	LP0021B	
NaCl	Sangon Biotech	A100241	
Trizma base	Sigma Aldrich	T6791-1KG	
EDTA	Sigma Aldrich	V900106	
Glycine	aladdin	A110752-500g	
KCl	aladdin	P112134-500g	
MgCl	Sigma Aldrich	V900020	
Agar	Sangon Biotech	A505255-0250	
Potassium Phosphate, Monobasic Anhydrous (KH ₂ PO ₄)	VWR	7778-77-0	
Sodium Phosphate, Dibasic, Anhydrous (Na ₂ HPO ₄)	VWR	7558-79-4	
2-Mercaptoethanol	VWR	60-24-2	
Phenylmethyl Sulfonyl Fluoride (PMSF)	VWR	329-98-6	
Lysozyme	Sigma Aldrich	L6876-25G	
Coomassie Brilliant Blue R250	VWR	VWRC0472-50G	
Bromophenol blue	Sangon Biotech	A500922-25G	
Bovine Serum Albumin (BSA)	VWR	VWRC0332-100G	
Glycerol	Sigma Aldrich	V900122	
100mm x 20mm plastic dish	Corning	430167	
25cm ² flask	Corning	430639	
96 well cell culture cluster	Corning	3599	
Sucrose	Sangon Biotech	A610498-0005	
CHO	the Type Culture Collection of the Chinese Academy of Sciences	GNHa 3	
MHCC-97H	the Type Culture Collection of the Chinese Academy of Sciences	SCSP-528	
HepG2	the Type Culture Collection of the Chinese Academy of Sciences	TCHu 72	
Huh7	the Type Culture Collection of the Chinese Academy of Sciences	TCHu182	
Hep3B	the Type Culture Collection of the Chinese Academy of Sciences	TCHu106	
NK92	ATCC	CRL2408	