

Materials List for:

A Cell Free Assay System Estimating the Neutralizing Capacity of GM-CSF Antibody using Recombinant Soluble GM-CSF Receptor

Shinya Urano¹, Ryushi Tazawa¹, Takahito Nei¹, Natsuki Motoi¹, Masato Watanabe², Takenori Igarashi³, Masahiro Tomita³, Koh Nakata¹

¹Bioscience Medical Research Center, Niigata University Medical and Dental Hospital

²First department of Internal Medicine, School of Medicine, Kyorin University

³Neosilk Laboratory, Immuno Biological Laboratories Co., Ltd.

Correspondence to: Koh Nakata at radical@med.niigata-u.ac.jp

URL: <https://www.jove.com/video/2742>

DOI: [doi:10.3791/2742](https://doi.org/10.3791/2742)

Materials

Name	Company	Catalog Number	Comments
human placenta cDNA library	Takara		
Nickel affinity column	GE Healthcare	17-5247-01	
biotin hydrazide (EZ-Link Biotin Hydrazide)	PIERCE	21339	
rhGM-CSF (leukine)	Genzyme Corporation		
Nunc Immobilizer Amino	Nalge Nunc International	436007	
Monoclonal Anti-polyHistidine antibody produced in mouse	Sigma-Aldrich	H1029	0.2ml
blocking solution (StabilCoat)	Surmodics	SC01-1000	1000ml
ZyMAX Streptavidin-AP Conjugate	Invitrogen	43-8322	
CDP-Star Ready-to-Use With Sapphire-II	Applied Biosystems	T2214	
chemiluminescence plate reader	BERTHOLD TECHNOLOGIES	TriStar LB 941	