

**iGEM TU/e 2014**

Biomedical Engineering

Eindhoven University of Technology

Room: Ceres 0.04

Den Dolech 2, 5612 AZ Eindhoven

The Netherlands

Tel. no. +31 50 247 55 59

[2014.igem.org/Team:TU\\_Eindhoven](http://2014.igem.org/Team:TU_Eindhoven)

## Labelling antibodies with 5/6-TAMRA-NHS

## Table of contents

<b>Title</b> Labelling antibodies with 5/6-TAMRA- NHS	<b>1</b>	<b>Labelling the Anti-HA antibodies with 5/6-TAMRA</b>	<b>3</b>
---	----------	--	----------

# **1            Labelling the Anti-HA antibodies with 5/6-TAMRA**

- Determine the concentration of the Hemagglutinin (HA) Monoclonal Antibody, Mouse (5B1D10) with UV-VIS (Nanodrop)
- Add  $\pm$  30:1 of the stocksolution 5/6-TAMRA-NHS ester to the stock of antibody
- Wrap in aluminium foil and put in the fridge overnight
- Wash three times with PBS in 10 kDa centrifuge tubes for 10 min, 4000 rpm, 4°C, pipet up and down before adding new PBS
- Pipet up the residual from the filter
- Determine the concentration and ratio antibody:5/6-TAMRA using UV-VIS (Nanodrop)