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DATASHEET

Janelia Fluor® 549 conjugation kit

Product overview

Name Janelia Fluor® 549 conjugation kit
Cat No HB9660
Biological description

Overview

The Hello Bio Janelia Fluor® 549 conjugation kit allows the conjugation of antibodies and proteins to Janelia Fluor® 549 in as little at 90 minutes (15 minutes active time) with a high degree of labeling. There are many benefits of directly labeled proteins and antibodies such as:

- Much easier multiplexing - no need to mix and match antibody species correctly
- Avoid non-specific binding by secondary antibodies
- Save time by shortening staining protocols.

Requirements

- Not compatible with BSA containing antibodies or proteins as this will reduce the taget labeling. These should be removed before processing.
- The protein to be labeled should be greater than 7kDa in size
- The antibody concentration should be at least 1mg/ml, lower concentrations can be used however this will effect the degree of labeling.

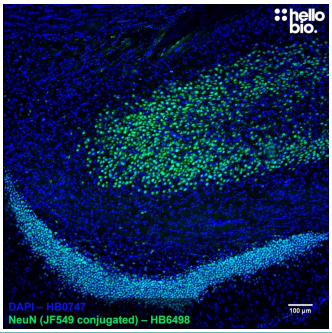
Pack size guidance

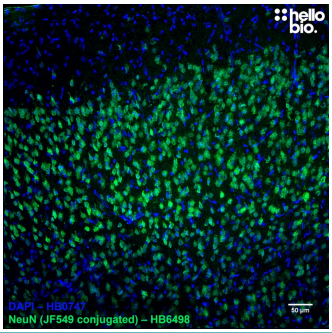
Please note:

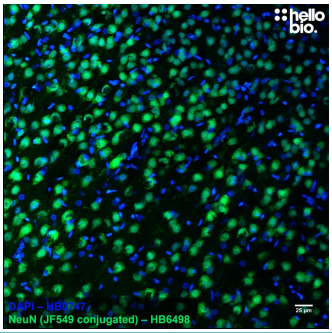
- The 2x50µg packsize is sufficient to carry out 2 conjugation reactions on 50µg protein each.
- The 3x100µg packsize is sufficent to carry out 3 conjugation reactions on 100µg protein each.

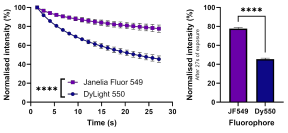
Description Kit for conjugation of antibodies and other proteins to Janelia Fluor® 549

Images









Biological Data

Application notes	**Conjugation Protocol** Please follow this link to the conjugation protocol. Conjugation takes around 90 minutes with only 15 minutes of active time.

Solubility & Handling

Storage instructions	+4 °C, except HB7336 at -20 °C. Protect dye from moisture and light.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Kit contents

- Lyophilised Janelia Fluor dye
- DMSO
- Lyophilised conjugation buffer
- Lyophilised quenching buffer
- Protein storage buffer
- Microfuge desalting columns

References

A general method to fine-tune fluorophores for live-cell and in vivo imaging.

Grimm JB et al (2017) Nature methods 14

PubMedID 28869757