

DATASHEET

Janelia Fluor® 525 conjugation kit

Product overview

Name
Cat No
Biological description

Janelia Fluor® 525 conjugation kit
HB9768

Overview

The Hello Bio Janelia Fluor® 525 conjugation kit allows the conjugation of antibodies and proteins to Janelia Fluor® 525 in as little as 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 target 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

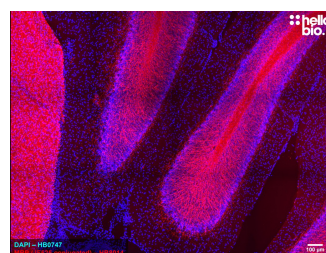
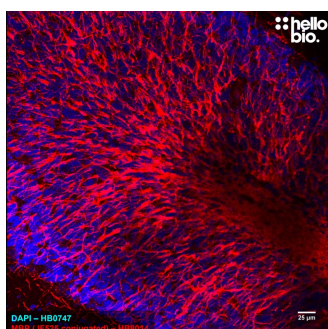
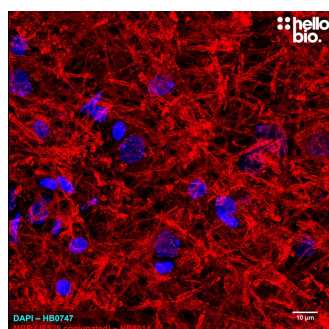
Please note:

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

Description

Kit for conjugation of antibodies and other proteins to Janelia Fluor® 525

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 HB8455 at -20 °C. Protect dye from moisture and light.

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Important

Stable for [ambient temperature](#) shipping. Follow storage instructions on receipt.
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](#)