

## Andy Fluor™ 555 Picolyl Azide

| Catalog Number | Packaging Size |
|----------------|----------------|
| C341           | 0.5 µmol       |

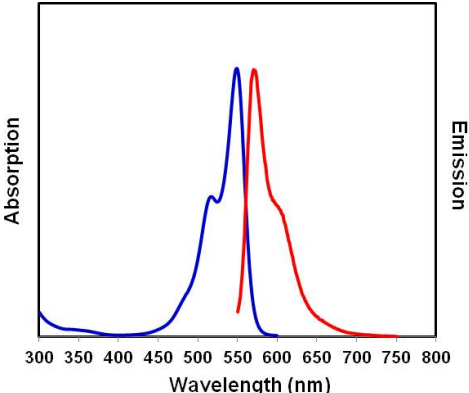
**Storage upon receipt:** -20°C, protected from light

### Introduction

Click chemistry describes a class of chemical reactions that use bio-orthogonal or biologically unique moieties to label and detect a molecule of interest in mild, aqueous conditions. The click reaction involves a copper-catalyzed triazole formation from an azide and an alkyne. The azide and alkyne moieties can be used interchangeably; either one can be used to tag the molecule of interest, while the other is used for subsequent detection.

The Andy Fluor™ 555 picolyl azide is reactive with terminal alkyne via a copper-catalyzed click reaction at a much lower copper (I) concentration without sacrificing reaction efficiency, which protects against undesired copper side reactions with proteins (e.g., GFP, RPE), nucleic acids (e.g., RNA, oligos), and even small molecules (e.g., phalloidin).

### Specifications

|                            |                            |                                                                                      |
|----------------------------|----------------------------|--------------------------------------------------------------------------------------|
| <b>Label:</b>              | Andy Fluor™ 555            |  |
| <b>Ex/Em:</b>              | 553/565 nm                 |                                                                                      |
| <b>Detection Method:</b>   | Fluorescent                |                                                                                      |
| <b>Solubility:</b>         | DMSO, DMF                  |                                                                                      |
| <b>Product Size:</b>       | 0.5 µmol                   |                                                                                      |
| <b>Storage Conditions:</b> | -20 °C, protect from light |                                                                                      |
| <b>Shipping Condition:</b> | Room Temperature           |                                                                                      |

### Applications

Click chemistry labeling

