



Amino FluoProbes® labels

Amino-Fluoprobes® are effective fluorescent agent for labeling proteins and any carboxyl-containing molecules.

Product Information

| Product name cat.number | MW (g·mol ⁻¹) | λ_{exc} λ_{em} , max. (nm) | mol. abs. (M ⁻¹ cm ⁻¹) | Comments |
|--|------------------------------|---|--|---|
| FluoProbes® 505-X5 FP-BA3430, 1mg | 566,06 | 505 / 530 | 80 000 | <ul style="list-style-type: none"> Bright green fluorescence. Ultimate photostability, hence minimal fading Compatible with standard filters for FITC/CyTM2 Superior alternative to FITC. Ideal for confocal microscopy, but suits also any other microscopy or technique including microplate readers and FCM. |
| FluoProbes® 547H FP-1H0900, 1mg | | 550 / 575 | 150 000 | <ul style="list-style-type: none"> Bright orange fluorescence Compatible with standard filters for CyTM3, Rhodamine TRITC High brightness, acid pH resistant Enhance water solubility and polarity Multilabeling with the FluoProbes 647H |
| FluoProbes® 556 FP-BU4960, 1mg | 735,91 | 548 / 573 | 100 000 | <ul style="list-style-type: none"> Bright orange fluorescence Compatible with standard filters for CyTM3, Rhodamine TRITC High brightness Suits for microarray, FISH and electrophoresis applications Multilabeling with CF488A and FluoProbes 647H |
| FluoProbes® 647 FP-BA3840, 1mg | 684,88 | 653 / 672 | 250 000 | <ul style="list-style-type: none"> Bright red fluorescence Compatible with standard filters for CyTM5 High brightness Pentamethine based fluorophore |
| FluoProbes® 648 FP-BU4980, 1mg | 800,95 | 653 / 674 | 250 000 | <ul style="list-style-type: none"> Bright red fluorescence Compatible with standard filters for CyTM5 High brightness Two negative charges for enhance water solubility |
| FluoProbes® 647H FP-1H950, 1mg | | 655 / 676 | 250 000 | <ul style="list-style-type: none"> Bright red fluorescence Compatible with standard filters for CyTM5 High brightness Three negative charges for enhance water solubility |
| FluoProbes® 652 FP-BV5440, 1mg FP-BV5441, 5mg | 925,13 | 654 / 675 | 220 000 | <ul style="list-style-type: none"> Bright red fluorescence Compatible with standard filters for CyTM5 High brightness Enhance water solubility and polarity Suits for in vivo applications |
| FluoProbes® 682 FP-BV0910, 1mg | 873,05 | 690 / 709 | 140 000 | <ul style="list-style-type: none"> Bright solid state emission Compatible with standard filters for CyTM5.5, IRD 700 and AF680 Two negative charges Enhanced water solubility and polarity |
| FluoProbes® 730 FP-BA4190, 1mg | 739,42 | 734 / 750 | 240 000 | <ul style="list-style-type: none"> Bright solid state emission Suitable for microarray experiment, FisH microscopy, gel electrophoresis Betainic dye |
| FluoProbes® 734 FP-IS3280, 1mg | 1015,17 | 736 / 759 | 240 000 | <ul style="list-style-type: none"> Three negative charges Highly enhanced water solubility and polarity |

FT-BU4960

Storage: Amino derivative should be stored at +4°C

Directions for Use

Covalent Coupling (EDAC coupling):

1. Dissolve the protein in phosphate buffer, 0.1 M, pH 7.4 (or other buffer without amines or carboxylate).
2. Dissolve the FluoProbes dye to be coupled in the same buffer at 10-fold molar excess
3. Add the FluoProbes dye solution to the protein solution
4. Add EDAC (concentrated solution in water, freshly prepared) to the protein and dye. EDAC should be 10-fold molar excess.
5. Vortex and incubate for two hours at ambient temperature on a rotary mixer or with occasional vortexing or shaking.
6. Purify the conjugate by gel filtration or dialysis

Specific protocols can be found in bibliographic references.

Related products

- EDAC, [FP-52005D](#)
- 5(6)-TMR cadaverine, [FP-60053A](#)
- Sulforhodamine 101 cadaverine, [FP-M1206A](#)
- Fluorescein cadaverine, [FP-46576B](#)
- FluoProbes 505-X5 Hydrazide, [FP-BW2860](#)

References

-**Mazitsos C. et al.**, Galactosyl-mimodye ligands for *Pseudomonas fluorescens* b-galactose dehydrogenase, *Eur. J. Biochem.* 269, 5391-5405 (2002)

Ordering information

Catalog size quantities and prices may be found at <http://www.fluoprobes.com>

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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