FluoProbes®647

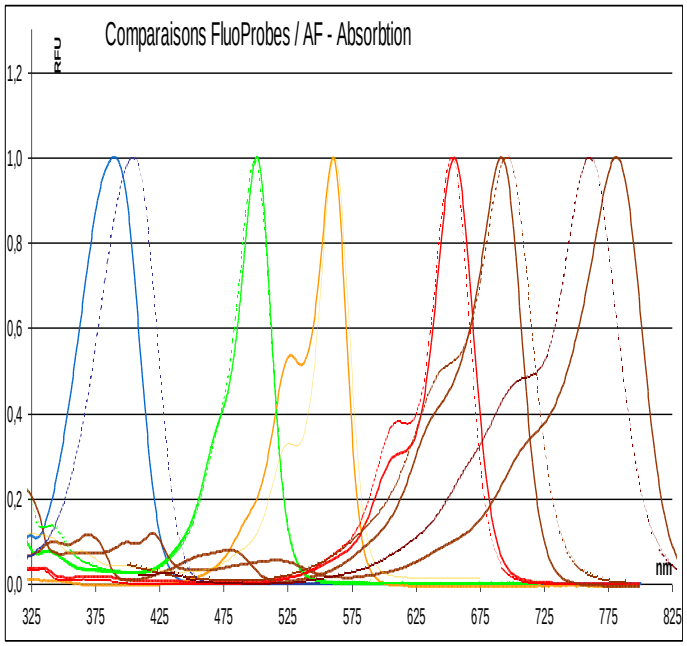
This technical sheet presents comparative datas and applications of **FluoProbes647H dye**, that is the most popularly used far red label, matching conventional fluorophores and competitors dyes. This document highlights its superior features (brightness, photostability,...).

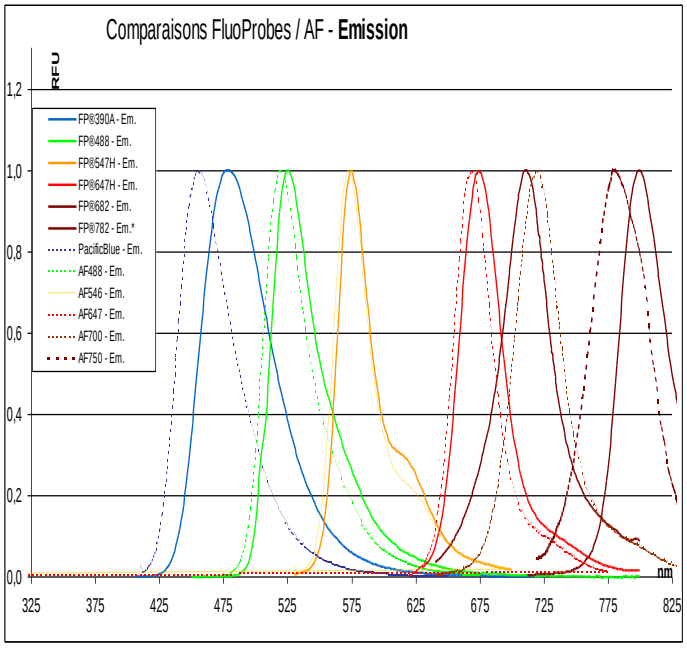
For more information, and information about other FluoProbes labels, please ask FluoProbes at info@fluoprobes.com.

Fluorescence characteristics

Product name cat.number	$\lambda_{exc}\backslash\lambda_{em}$. **max.** (nm)	**mol. abs.** ($M^{-1}cm^{-1}$)	**Comments** FluoProbes benefits / *Conventionnal dyes limitations*
FluoProbes® 647H	653 / 674	250 000	• Infra Red fluorescence • Compatible with standard filters for Cy™5, A647 • Highest brightness • More information
Cy™5	649 / 670	250 000	• bright
A647	650 / 665	239 000	• very bright, photostable, expensive

Abs. & Fluorescence Spectra

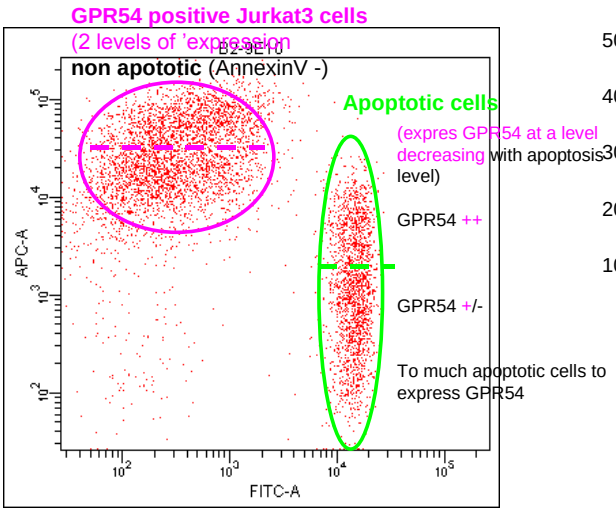


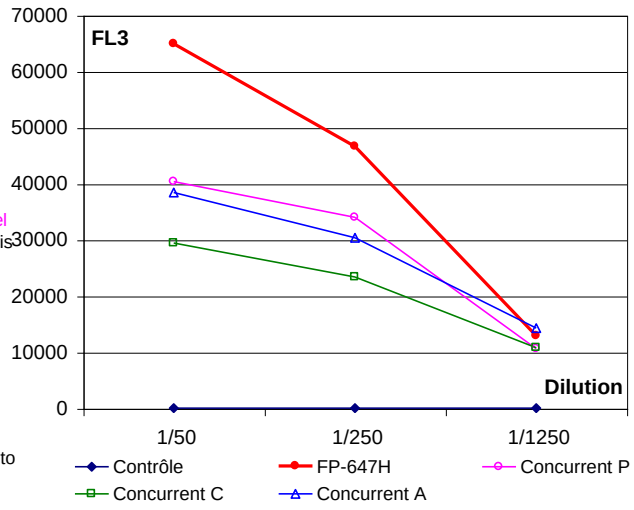


FP647H has similar fluorescence spectra similar to A647, Cy5, and matches closely Cy5 filters.

FluoProbes647H comparison by FCM

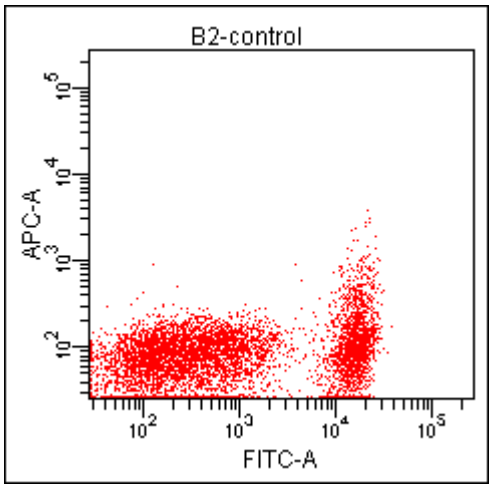
Streptavidin-**FP647H** is used to detect myc-tagged GPR54 receptor on Jurkat cells, multiplexed to AnnexinV-FP488 detection.



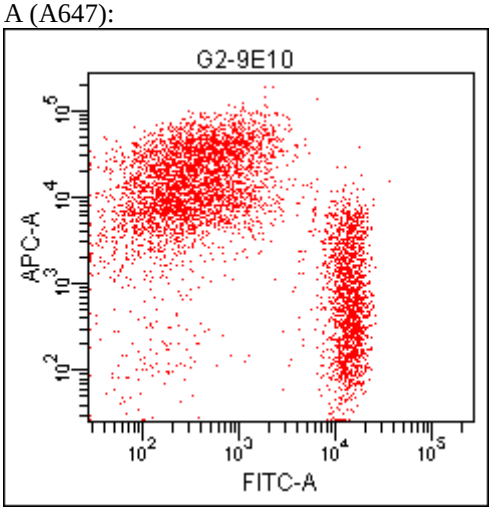


Superior signal of FP647H and better discrimination of populations

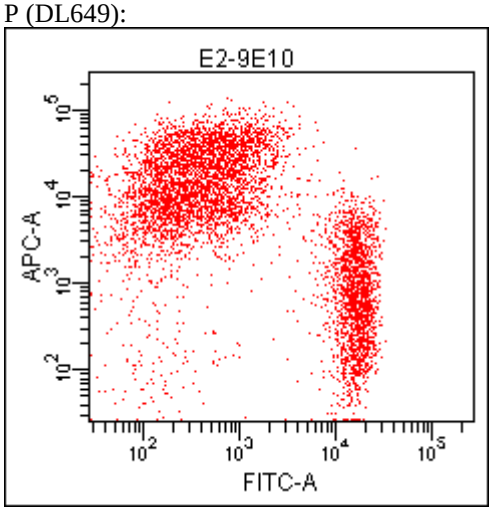
Control:



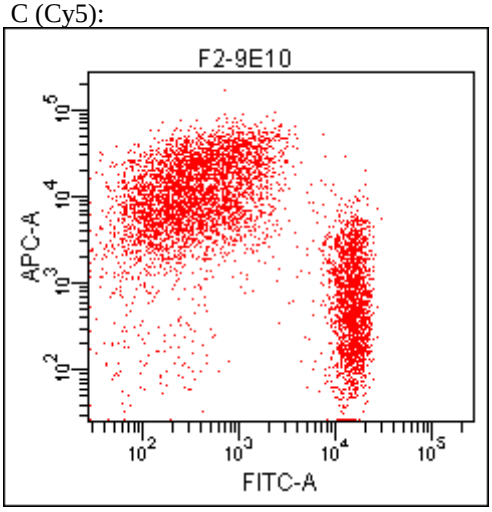
A (A647):



P (DL649):



C (Cy5):



Material & methods:
Cellules: Jurkat-Myc-GPR54 (Jurkat exprimant un recepteur membranaire GPR54 avec un myc-tag, par transfection, et activée par Kp-10, ligand du GRP54, qui induit aussi l'apotose)
Anticorps I: anti-myc tag, clone 9E10
Anticorp II: Anti IgG souris marqué FP647H
2m couleur: Annexin-FluoProbes488 (marqueur de l'apoptose induite par Kp10 [PS exposés à la surface ext.des membranes])
Detection: exc.633nm./filtre APC 660/20nm avec un cytometre Becton Dickinson LSR II, équipé d'un dichro 735LP

Did you got great results with FluoProbes dyes?

Please let us know, this may be useful for other researchers, and you may be eligible for a reward!

Other information

Other FluorProbes dyes: see FT-FPlist
Other products: please consult the BioSciences catalogue
Catalog size quantities and prices may be found at http://www.interchim.com/ .
For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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