

## FluoProbes®547H

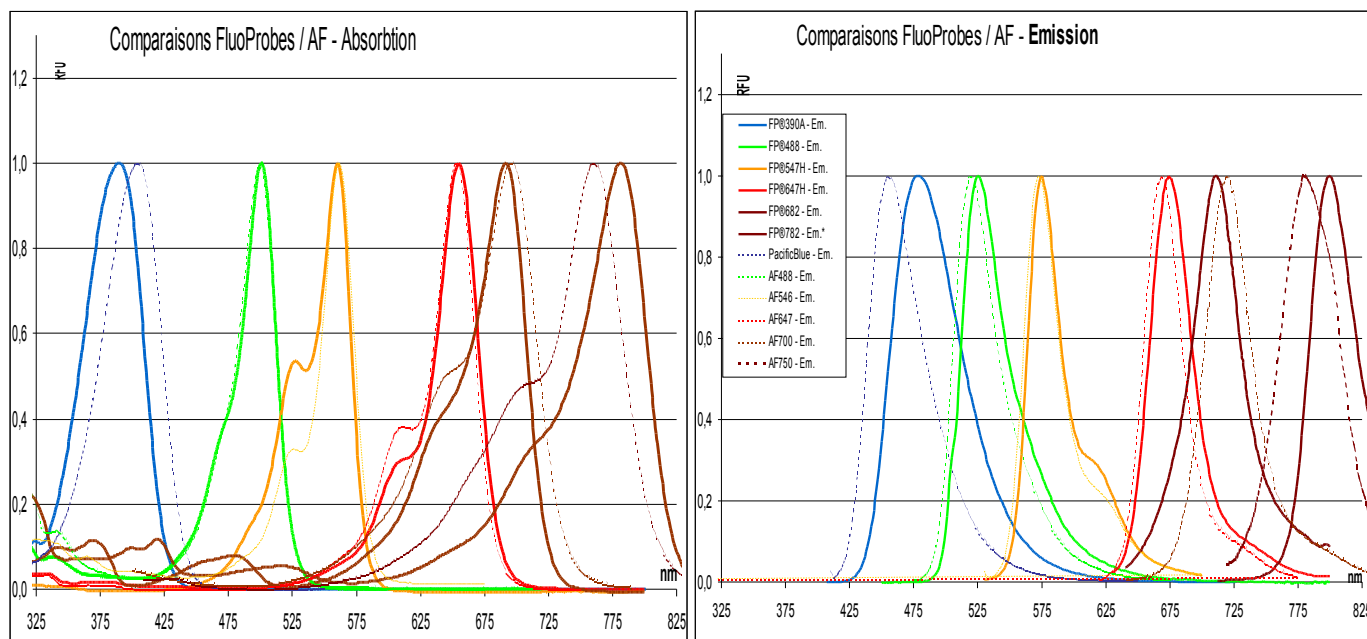
This technical sheet presents comparative datas and applications of **FluoProbes547H dye**, that is the most popularly used **orange** label, matching conventional fluorophores and competitors dyes. This document highlights its superior features (brightness, photostability,...)

For more information, and information about other FluoProbes labels, please ask FluoProbes at [info@fluoprobes.com](mailto:info@fluoprobes.com).

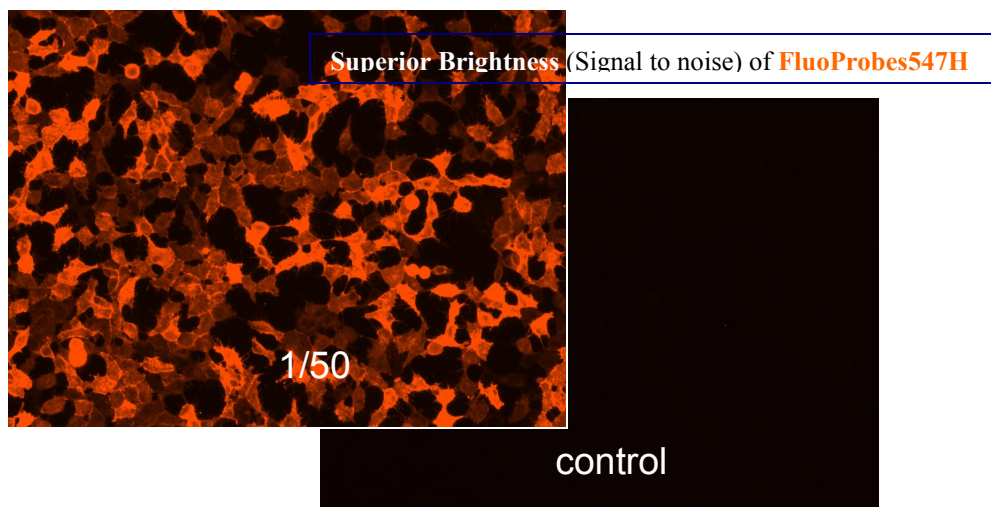
### Fluorescence characteristics

Product name cat.number	$\lambda_{exc}/\lambda_{em. max.}$ (nm)	mol. abs. (M <sup>-1</sup> cm <sup>-1</sup> )	Comments FluoProbes benefits / Conventional dyes limitations
<b>FluoProbes® 547H</b>	557 / 574	150 000	<ul style="list-style-type: none"> <li>Orange fluorescence, compatible with standard filters for Cy<sup>TM</sup>3, Rhodamine TRITC</li> <li>outperforms conjugates of tetramethylrhodamine (TRITC and TAMRA) A555, A546 and Cy3: higher brightness</li> </ul>
TMR / TRITC	555 / 580	99 000	<ul style="list-style-type: none"> <li></li> </ul>
Cy <sup>TM</sup> 3	550 / 570	150 000	<ul style="list-style-type: none"> <li>brighter than TRITC</li> </ul>
A546	556 / 573	104 000	<ul style="list-style-type: none"> <li>brighter than TRITCbut not enough photostable, expensive</li> </ul>
A555	555 / 565	150 000	<ul style="list-style-type: none"> <li></li> </ul>

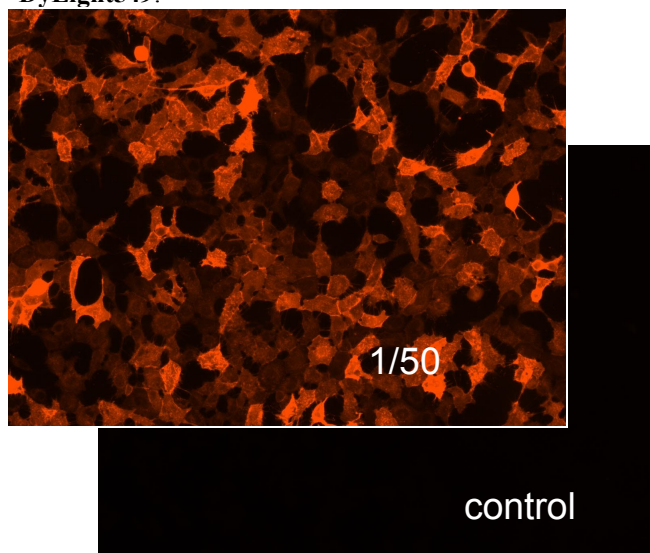
### Abs. & Fluorescence Spectra



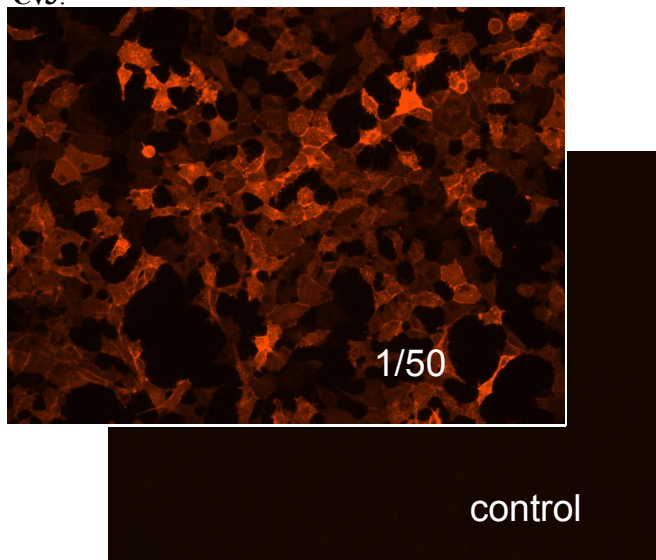
## FluoProbes547H great brightness by Microscopy



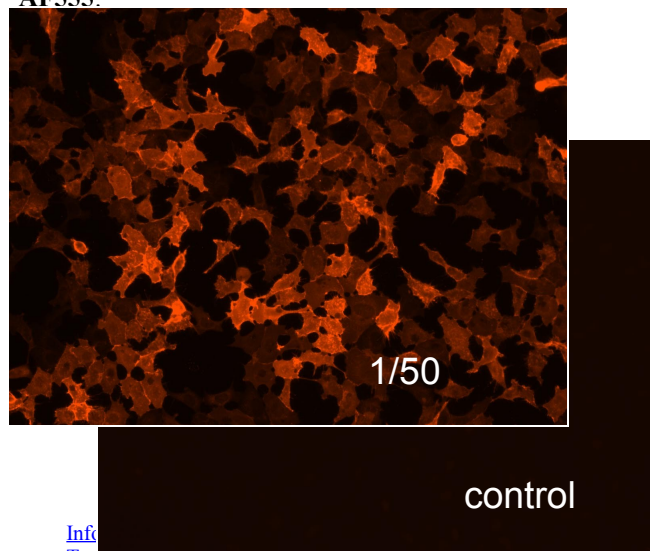
DyLight549:



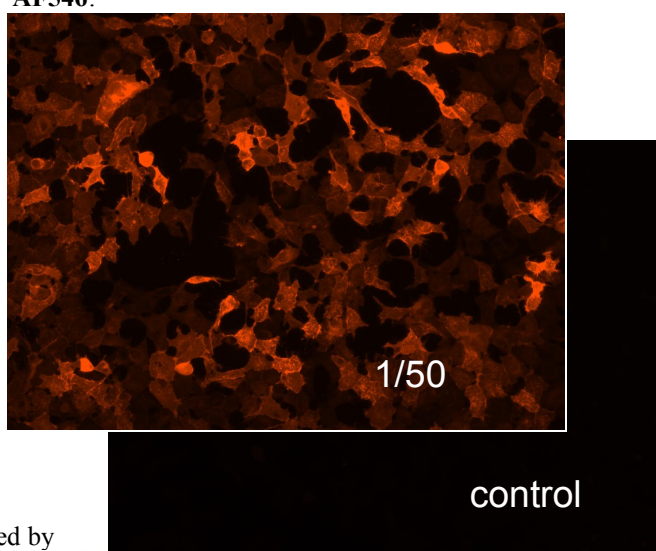
Cv3:



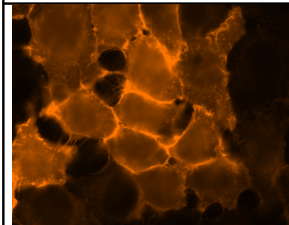
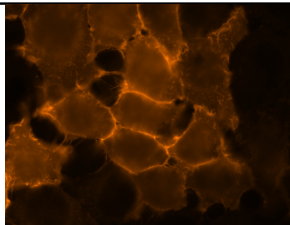
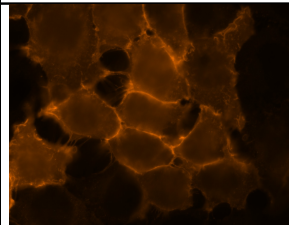
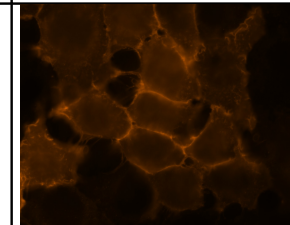
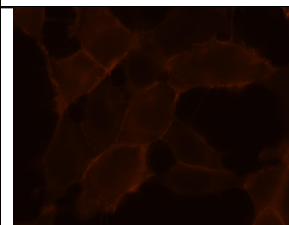
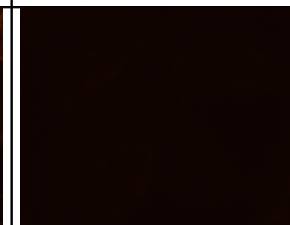
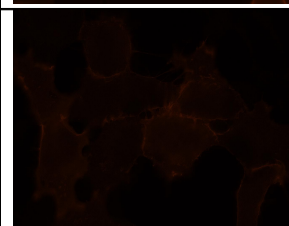

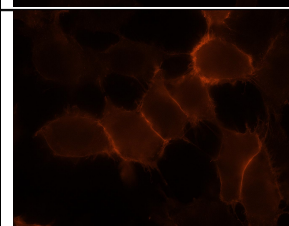

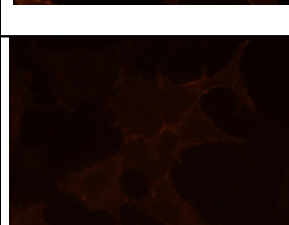
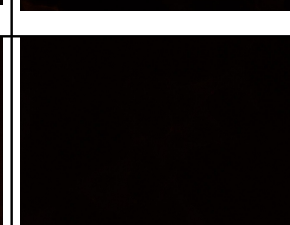
AF555:



AF546:

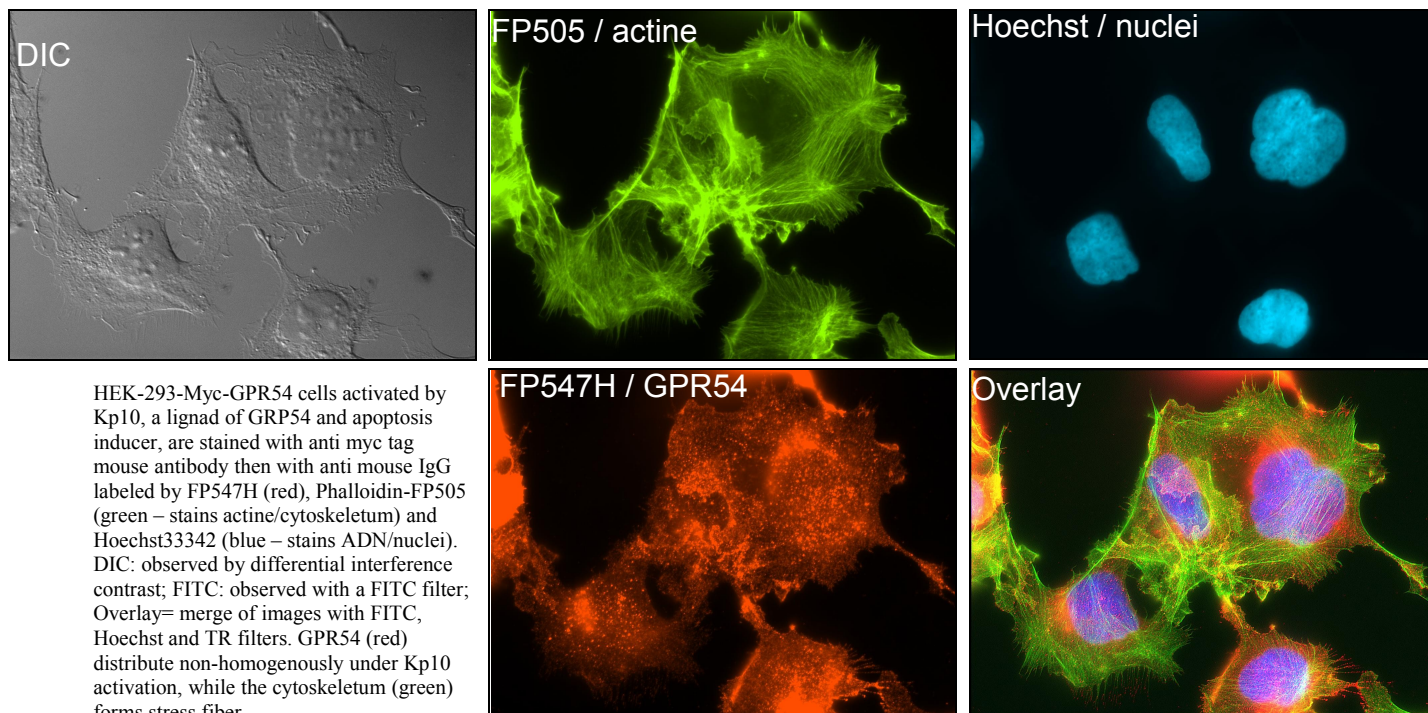


FluoProbes547H great photostability in Microscopy

0min	1min	2min	5 min
			
Superior Brightness (Signal to noise)			
<div>Materials and methods: Cells: HEK-293 expressing Myc-GPR54 receptor Cells coated on poly-L-Lys slides, fixed, permeabilised and saturated Immunostaining: anti-myc tag, clone 9E10, revealed by an anti Mouse IgG labeled by FluoProbes547H or other dyes. Slides mounted in PBS-glycerol (50:50) Observation microscopy using TRITC set (Exc. 535/50, dichro 565 LP, EM 610/75; Filter 660nm/20 BP) Microscope Nikon TE2000E. lampe metal halide Camera: Roper Scientific, Photometrics CoolSNAP HQ.</div>	Cy2		
	DyLight549		
	AF555		
	AF546		



## FluoProbes547H multiplex 3-colors in Microscopy



## FluoProbes547H references and applications

See FluoProbes 647H technical sheet FT-FP647H

### 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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Rev.109E

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