

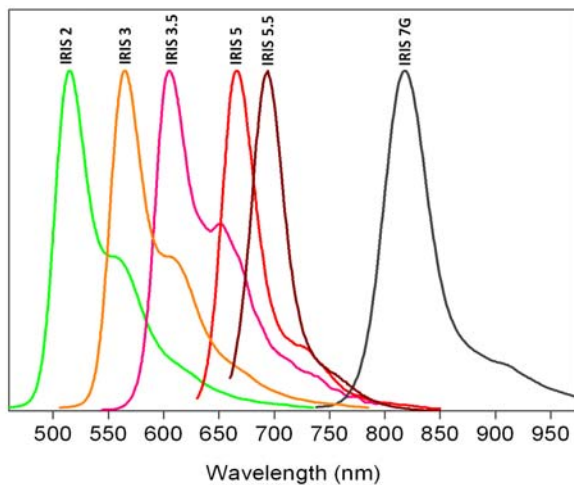
What are they?

IRIS™ Dyes are proprietary innovative fluorescent dyes belonging to the family of cyanine dyes, characterized by high absorbency and quantum yield, strong photo stability and huge versatility of applications from labeling of antibodies, proteins, and nucleic acids, to molecular imaging, *in vivo* optical imaging, cell imaging and click chemistry.

Product Description

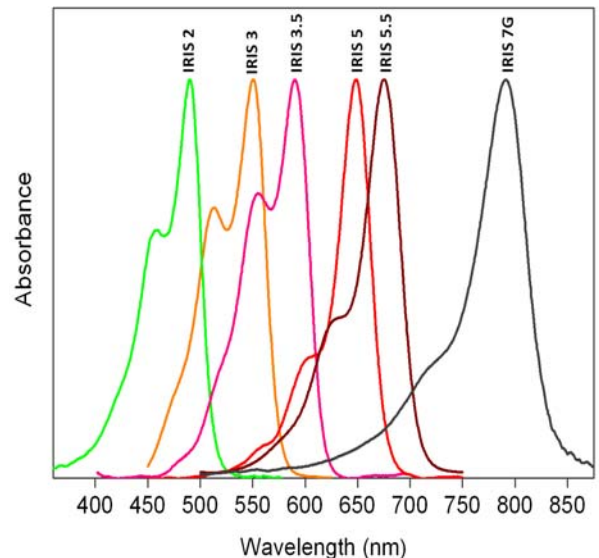
IRIS™ NHS Active Esters are succinimidyl derivatives of IRIS™ Dyes with absorption and emission maxima in the visible and near infrared region of the spectrum. They are suitable for conjugation with any biomolecule carrying free primary amines, such as proteins, peptides, amino-modified antibodies, or biopolymers.

IRIS™ dyes are intensely colored and stain on contact, therefore, always wear gloves when working with them. Due to their water solubility clean-up with water and detergents is suggested.



Emission Spectra for various IRIS™ dyes

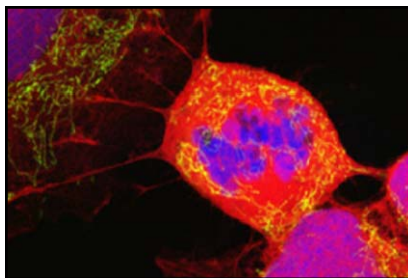
Dye	Abs	Em	Compatible with filter set for:
IRIS™ 2	490	510	Fluorescein, Alexa 488
IRIS™ 3	550	562	Cy3, Alexa 546, Tetramethylrhodamine
IRIS™3.5	590	605	Cy3.5, Rhodamine, Texas red, Alexa 594
IRIS™ 5	648	667	Cy5, Alexa 647
IRIS™ 5.5	675	694	Cy5.5, Alexa 680, IR-Dye 700
IRIS™7G	791	818	Alexa 790, IR Dye 800



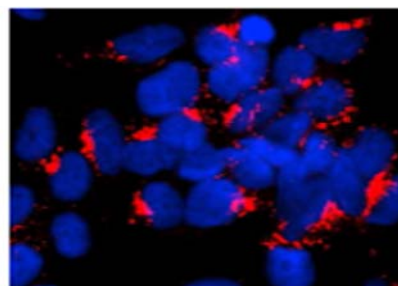
Absorbance Spectra for various IRIS™ dyes

Performance

1. Soluble in water, aq. buffers, MeOH, EtOH, DMF, DMSO.
2. Suitable for protein labeling, antibody labeling, microarray experiments, RT-PCR, FISH, cell sorting and molecular imaging.
3. Spectrally similar to FITC, Cy2, Alexa 488 (**IRIS™ 2**), Cy3, Alexa Fluor 546, Tetramethylrhodamine (**IRIS™ 3**), Cy3.5, Rhodamine, Texas Red, Alexa 594 (**IRIS™ 3.5**), Cy5, Alexa Fluor 647 (**IRIS™ 5**), Cy5.5, Alexa 580, IR-Dye 700 (**IRIS™ 5.5**), IR-Dye 800 (**IRIS™ 7G**)



U2-OS osteosarcoma, IRIS 2 GAR-IgG, IRIS 3 GAM-IgG



Human neuroblastoma Sh-SY5Y cells; primary anti-Lamp1, GAM-IgG IrIs3

Both images completely labeled with highly stable IRIS™ Dyes.

IRIS™ Dye Properties

- Strong Photo Stability
- Excellent Brightness
- Near Infrared Emission
- Water soluble
- Contain NHS active ester

IRIS Dyes Product List

Dye Name	Solubility	Product Code	Unit Size	Price
IRIS™ 2-NHS active ester	Aqueous buffers, DMSO	2WS-02	1mg	\$195
IRIS™ 3-NHS active ester	Aqueous buffers, DMSO	3WS-02	1mg	\$195
IRIS™ 3.5-NHS active ester	Aqueous buffers, DMSO	35WS-02	1mg	\$195
IRIS™ 5-NHS active ester	Aqueous buffers, DMSO	5WS-02	1mg	\$195
IRIS™ 5.5-NHS active ester	Aqueous buffers, DMSO	55WS-02	1mg	\$208
IRIS™ 7G-NHS active ester	Aqueous buffers, DMSO	7GWS-02	1mg	\$375

For further information or to place an order
please contact Dr. Brian Gray via email at
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Company Profile

Molecular Targeting Technologies, Inc. (MTTI) is a privately held US-based Biotechnology Company developing novel medical imaging products. MTTI has licensed fluorescence based technologies from PTI Research Inc. (PTIR), giving MTTI the worldwide rights to manufacture, sell and/or distribute PTIR's NeuroVue® and CellVue® product lines for research applications. MTTI has licensed fluorescence based technologies from the University of Notre Dame, giving MTTI the worldwide exclusive rights to manufacture, sell and/or distribute PSVue® and SRfluor® product lines for research applications. MTTI has licensed fluorescence based technologies from Massachusetts General Hospital giving MTTI the worldwide rights to manufacture, sell and/or distribute CyAL-5 and CyAL-5.5 product lines for research applications.

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www.mtarget.com