



BioActs • For the Light of Life

Flamma™ Fluors

New Fluorescent Probe

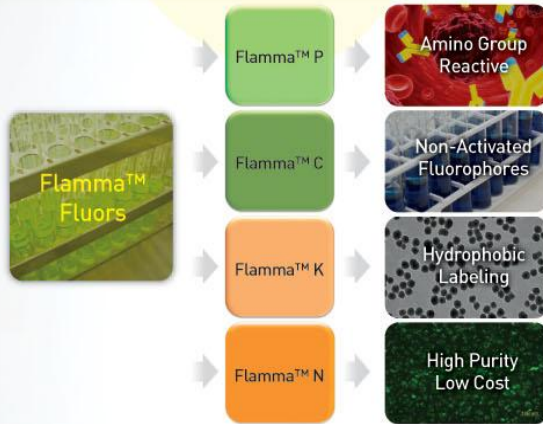


Highly Stable/Reactive in Water
Stable in a Wide Range of pH/Temperature

For the Light of Life

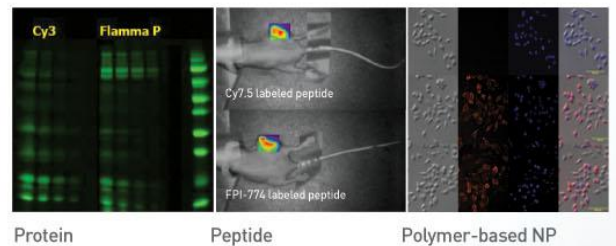
Flamma™ Fluors

Flamma™ Fluors is BioActs' brand name of Fluorescent probe products. Flamma™ dyes are comprised of various probe series suited to your research application and also, all Flamma™ products can easily replace commonly used dyes.

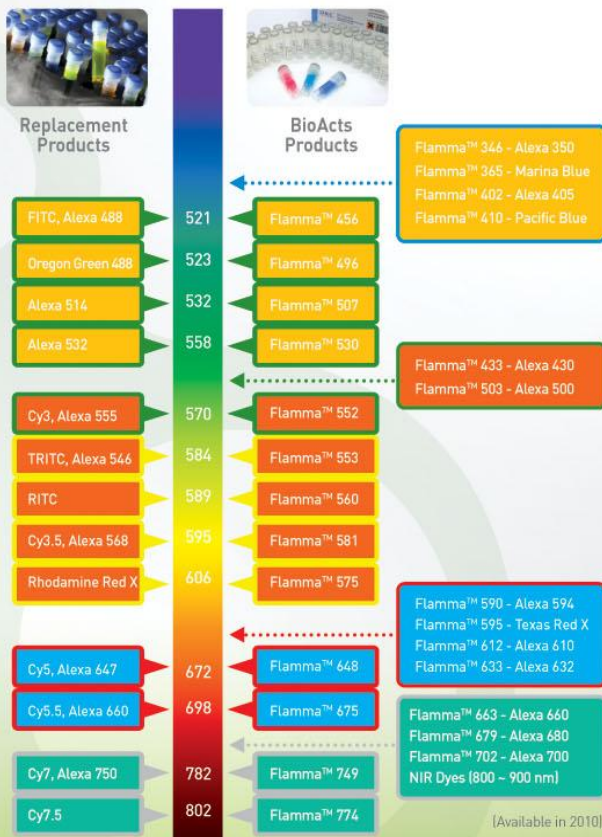


Flamma™ P Series

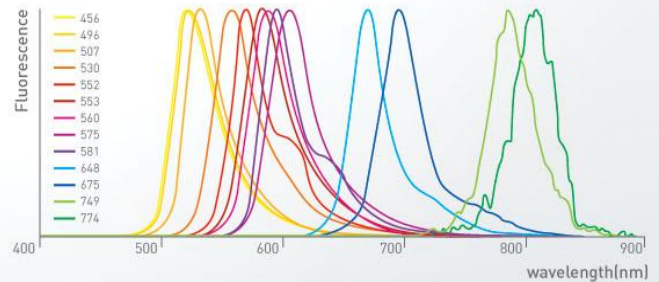
Flamma™ P Series are highly reactive and stable pre-activated fluorescent dyes. Their unique reactive group enables fast conjugation with most of biomolecules such as proteins, sugars, antibodies, nucleotides, and etc by targeting amino, hydroxyl, and thiol groups without leaving by-products behind. These fluorescent molecules are very stable in a wide range of light, pH, and temperature, and extremely active/stable in aqueous solutions, so that researchers can efficiently use them for long-term experiments. Flamma™ P Series can easily replace commonly used fluorescent dyes with NHS or maleimide without changing your experiment protocols.



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Better image than you've ever



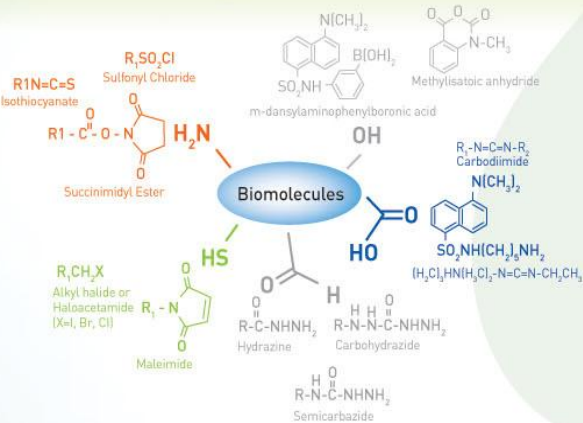
- Highly water stable
- Organic solvent free
- Wide range of binding targets
- pH / temperature stable
- No by-product generated



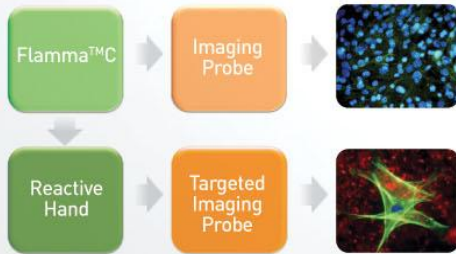
Seeing is believing

Flamma™ C Series

Flamma™ C Series are designed and prepared for the convenience of users who need non-activated fluorophores. These materials are prepared to be easily activated as NHS ester, maleimide, and biotin derivatives.



- Easily activated as NHS ester, maleimide, biotin derivatives, and other reactive hand
- Various functional groups for dye / biomolecule activation



Flamma™ N Series

Flamma™ N Series are NHS-ester type fluorescent probes which are designed to label amino groups of peptides, proteins, amino-modified DNA and etc.

- Generic dyes + NHS ester
- High purity
- Custom-synthesis available for your up-to-date research

Flamma™ Q Series

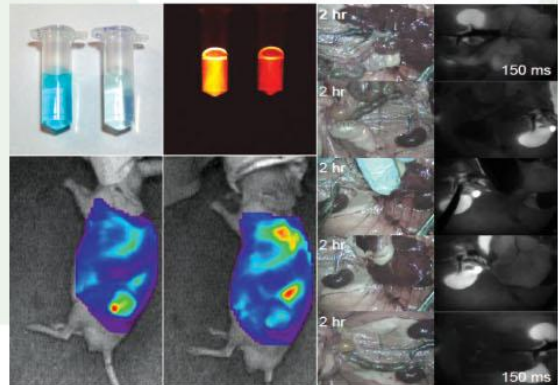
Flamma™ Q Series are quenchers for researches in FRET based studies.

- High molecular absorption coefficient
- Various water-soluble quenchers

Flamma™ K Series

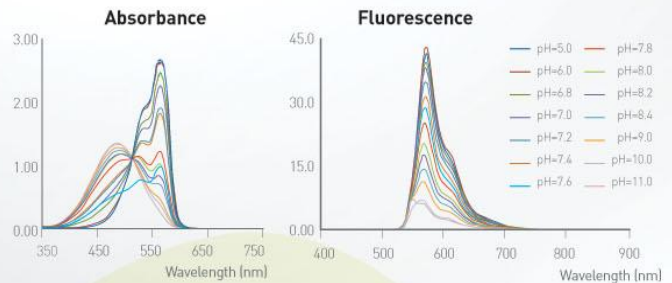
Flamma™ K Series are inert probes designed to be applied in hydrophobic environments. Their outstanding physical properties, such as high stability, high molar extinction coefficient, and diversity of wavelengths, will serve your hydrophobic fluorescent experiments relevantly.

- Very soluble in organic solvent
- Non-covalent bonding
- Near-IR fluorescence for in-vivo imaging



Flamma™ H Series

Flamma™ H Series are pH sensitive dyes.



The best choice to perform molecular imaging in your laboratory

FITC, RITC, XRITC, Indocyanine Green, TAMRA, FAM, and etc. are available.

- Low Price, High Quality
- Mass Production for Customer

All the commonly used dyes are available in the packages of 100mg or larger.

BioActs' R&D Plan

- Fluorophores
- Amine-Reactive Probes
- Thiol-Reactive Probes
- Biotin derivatives and Haptens
- Antibodies, Avidins, Lectins and Related Products
- Nucleic Acid Detection and Genomic Technology
- Protein Detection and Proteomics Technology
- Indicator for Ca^{2+} , Mg^{2+} , Zn^{2+} and other metal ions
- pH Indicators

Fluorophores & Derivatives

- **Fluorophores**
 - Cyanines
 - Fluoresceins
 - Rhodamines
 - Hydrophobic Dyes
 - Near-IR Fluorophores
 - Custom Dye Synthesis
- **Biomolecule-Reactive Derivatives**
 - Flamma™ Fluor Series
 - Amine-reactive
 - Biotin labeled
 - Nucleic acid Reactive Dyes
 - Ready-to-stain Biomolecule Labeling Kits
- **Proteomics**
 - For Protein labeling
- **Gel Separation**
 - Fluorescent Markers
 - Rainbow Markers
- **FRET Pairs**
 - Fluorophore-Fluorophore pairs
 - Quencher

Bioactive Fluorescence Probes

- **Cancer Trackers**
 - In Vitro & Vivo Trackers
- **Immunofluorescence**
 - Secondary Antibodies
- **Indicators for Metal Ions**
 - Ca^{2+} , Mg^{2+} , Zn^{2+}
- **Indicators for Ions**
 - Na^{+} , K^{+} , Cl^{-}
- **Disease Related Fluorophores**
 - Beta-amyloid Fibril Indicator for Alzheimer's Disease
 - Prion Indicator for Bovine Spongiform Encephalopathy
 - Cancer Cell Trackers
- **pH Indicators**

According to the consumer's needs, large quantities of both fluorescent chromogens and fluorescent probes can be supplied.

Certain fluorescent probes that are used for custom peptide and custom antibody can be exclusively designed and consulted.

For more information, please refer to the contents of BioActs' Homepage or contact us by e-mail or telephone.



Korea Office BioActs
123BL, 3Lt., 693-2 Gojan-dong, Namdong-gu, Incheon, 405-820, Korea
Tel 82-32-817-9100 Fax 82-32-818-8206 www.bioacts.com info@bioacts.com

USA Office AKINA, Inc.
1291 Cumberland Avenue West Lafayette, IN 47906, USA
Tel 1-765-464-0501 Fax 1-765-464-0820 www.akinainc.com info@akinainc.com