

## Annexin V Near IR CF® Dye Conjugates

Near-IR Annexin V fluorescent conjugates can be used to detect apoptotic cells and are suitable for *in vivo* imaging.



### Product Description

Annexin V is a 35-36 kDa protein that has a high affinity for phosphatidylserine (PS). In normal viable cells, PS is located on the cytoplasmic surface of the cell membrane. In apoptotic cells, however, PS is translocated from the inner to the outer leaflet of the plasma membrane, making itself available for Annexin V binding. Near-IR CF® Dye Annexin V does not contain azide or other potentially toxic materials, and thus is suitable for *in vivo* imaging.

- Detect apoptotic cells with fast, reliable detection of phosphatidylserine externalization
- No azide or other potentially toxic materials or preservatives, suitable for *in vivo* imaging
- Choice of 7 near-IR fluorescent CF® Dye colors
- Biotium's CF® Dyes are far more photostable and brighter than other similar near-IR dyes
- Can be used for fluorescence microscopy, live cell imaging, and flow cytometry

### Superior CF® Dyes

CF® Dyes are far more photostable and brighter than other similar near-IR dyes, such as Alexa Fluor® 700, Alexa Fluor® 750, Cy®7 and IRDye® 800. Learn more about Near-IR CF® Dyes in the [Near-IR Dye Flyer](#). Learn more about [CF® Dyes](#).

### Detect Apoptosis with Annexin V

We also offer [Annexin V Conjugates, Azide-Free, and Lyophilized](#) in colors ranging from UV to far-red for live cell staining. [Annexin V Conjugate](#) solutions (with azide) also are available with a large selection of CF® Dyes, biotin, R-PE, APC, and other labels. Annexin V is also available with other probes in our [Apoptotic and Necrotic Staining Kits](#). See our full selection of [Cell Viability and Apoptosis Assays](#).

## Annexin V Near IR CF® Dye Conjugates

Conjugation	Ex/Em	Size	Catalog No.	Dye Features
<a href="#">CF@680</a>	681/698 nm	25 ug	<a href="#">29007</a>	<a href="#">CF@680 Features</a>
<a href="#">CF@680R</a>	680/701 nm	25 ug	<a href="#">29070</a>	<a href="#">CF@680R Features</a>
<a href="#">CF@700</a>	695/720 nm	25 ug	<a href="#">29082</a>	<a href="#">CF@700 Features</a>
<a href="#">CF@750</a>	755/777 nm	25 ug	<a href="#">29006</a>	<a href="#">CF@750 Features</a>
<a href="#">CF@770</a>	770/797 nm	25 ug	<a href="#">29046</a>	<a href="#">CF@770 Features</a>
<a href="#">CF@790</a>	784/806 nm	25 ug	<a href="#">29047</a>	<a href="#">CF@790 Features</a>
<a href="#">CF@800</a>	797/816 nm	25 ug	<a href="#">29078</a>	<a href="#">CF@800 Features</a>

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### References

Download a list of [CF® dye Annexin V references](#).

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### Product attributes

<b>Apoptosis/viability marker</b>	Phosphatidylserine/Annexin V
<b>For live or fixed cells</b>	For live/intact cells
<b>Detection method/readout</b>	Fluorescence microscopy, Live cell imaging, Flow cytometry, Near-IR imager, In vivo near-IR imaging
<b>Assay type/options</b>	Endpoint assay, Homogeneous assay, Long term staining (24-72h), No-wash staining, Real-time imaging
<b>Fixation options</b>	Fix after staining (formaldehyde)
<b>Colors</b>	Near-infrared
<b>Product origin</b>	Annexin V (human); recombinant, produced in E. coli, Product may contain either bovine serum albumin (BSA) from bovine serum (Bos taurus), or recombinant BSA produced in Chinese hamster ovary cells. Inquire for the specific lot.