



## Product Data Sheet

**Product Name:**  $\beta$ -Amyloid (1-42), HiLyte Fluor™ 488-labeled

**Catalog Number:** AS-60479-01 (0.1 mg) **Lot Number:** See label on vial

**Sequence:** HiLyte Fluor™ 488-labeled-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys - Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH (3-letter code)  
HiLyte Fluor™ 488-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (1-letter code)

**Molecular Weight:** 4870.5

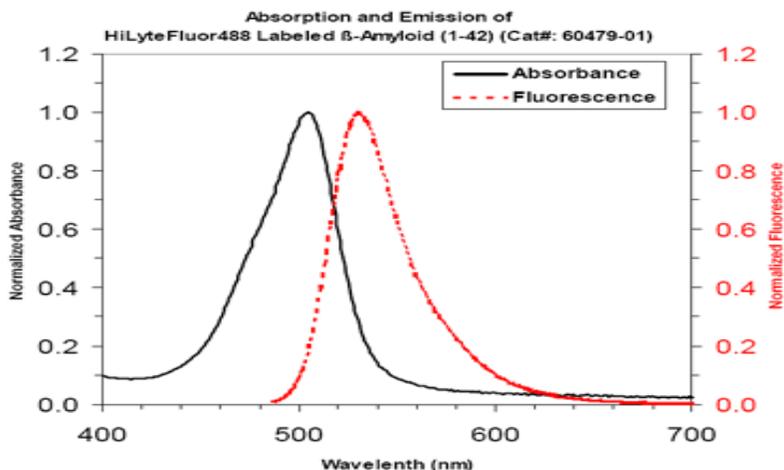
**% Peak Area by HPLC:**  $\geq 95$

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Reconstitute by adding 50  $\mu$ l 1%  $\text{NH}_4\text{OH}$  to 0.1 mg  $\beta$ -Amyloid (1-42), HiLyte Fluor™ 488-labeled peptide. Dilute this peptide solution to approximately 1 mg/ml (or more dilute) with a buffer such as PBS or another buffer; aliquot and store at  $-20^\circ\text{C}$ .

**Storage:**  $\beta$ -Amyloid (1-42), HiLyte Fluor™ 488-labeled peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at  $-20^\circ\text{C}$  or lower. Reconstituted peptide can be aliquoted and stored at  $-20^\circ\text{C}$  or lower.

**Description:** This is a fluorescent (HiLyte Fluor™ 488)-labeled  $\beta$ -Amyloid peptide, Abs/Em=503/528 nm. HiLyte 488™ Fluor labeled  $\beta$ -Amyloid (1-42) has a brighter intensity than  $\beta$ -Amyloid (1-42) 5-FAM-labeled.



*Additional Information: Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.*

$\beta$ -Amyloid (1-42), HiLyte Fluor™ 488-labeled (AnaSpec, San Jose, CA) were added at various timepoints, and cells were washed twice with PBS and then removed from the plate using 0.25% trypsin/EDTA solution- [Nazer, B. et al. \*Neurobio Dis.\* \*\*30\*\*, 94 \(2008\).](#)

Fluorescence-labeled A $\beta$ -42 (HiLyte Fluor™488- $\beta$ -Amyloid(1–42); Anaspec Inc., CA, USA) were prepared 5:1 (w/w) in DMSO at 200  $\mu$ M concentration- [Vestergaard, M. et al. \*Biochem & Biophys Res Com.\* \*\*377\*\*, 725 \(2008\).](#)

Fluorescence-labeled A $\beta$ -42 (HiLyte Fluor™488- $\beta$ -Amyloid(1–42); Anaspec Inc., CA, USA) were prepared 5:1 (w/w) in DMSO at 200  $\mu$ M concentration. Final working concentration of the A $\beta$ -42 and probe were 80 and 8  $\mu$ M, respectively in 20 mM Tris/HCl buffer, pH 7.4 (TBS) for fluorescence imaging studies. This solution was allowed to spontaneously aggregate in TBS at  $37 \pm 1$  °C for a defined period of time and analysed using various techniques. Unless otherwise stated, all analyses were carried out at RT.-[Vestergaard, M. et al. \*Biochem & Biophys Res Com.\* \*\*377\*\*, 725 \(2008\).](#)

#### Published Citations:

[Hickman, SE. et al. \*Neurobio. Dis.\* \*\*28\*\*, 8354 \(2008\).](#)

[Nazer, B. et al. \*Neurobio Dis.\* \*\*30\*\*, 94 \(2008\).](#)

[Vestergaard, M. et al. \*Biochem & Biophys Res Com.\* \*\*377\*\*, 725 \(2008\).](#)

*For Research Use Only*