Product Data Sheet

Product Name: Anti-BetaGamma (MPS-Phosducin-like protein C terminus)

Catalog Number: AS-24177 (0.5 mg)       Lot Number: See label on vial
AS-24178 (1 mg)

Sequence: H-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Ala-Leu-Ala-Leu-Ala-Leu-
Thr-Asp-Gln-Leu-Gly-Glu-Asp-Phe-Ala-Val-Glu-Ala-Phe-Ala-Leu-Gln-Glu-Phe-Gly-Leu-Leu-
Pro-Glu-Lys-Glu-OH (3-letter code) AAVALLPAVLLAVTDQLGEDFFAVDEAFLQEFGLLPEKE
(1-letter code)

Molecular Weight: 4601.4

Peptide Purity: >95%

Appearance: Lyophilized white powder

Peptide Reconstitution: Initially, try to dissolve a small amount of Anti-BetaGamma peptide in
water. If peptide does not dissolve, Anti-BetaGamma peptide is freely soluble in 1% NH₄OH.

Storage: Anti-BetaGamma peptide is shipped at ambient temperature. Upon receipt, store
lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at
–20 °C or lower.


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.

The anti-βγ peptide was obtained from AnaSpec, Inc (San Jose, CA). PC12-H₃ and
PC12-H₃/β-ARK1 cells cultured in 12-well plates and differentiated with NGF (100 ng/ml) for 5 to
7 days were incubated with drugs for 5 min. When CBP or the anti-βγ peptide was used, cells
were incubated with these compounds for 5 min before incubation with imetit. For pertussis toxin
(PTX) treatment, cells were incubated for 24 h with PTX (200 ng/ml) before assay. Dopamine
exocytosis was elicited by incubating samples for 5 min with K⁺ 100 mM (osmolarity was
maintained constant by adjusting the NaCl concentration), phorbol 12-myristate 13-acetate (PMA;
300 nM), or for 20 min with forskolin (10 μM)- Morrey, C. et al. J Pharmacol Exp Ther 326, 871
(2008).

Published Citations:


For Research Use Only

©AnaSpec, Inc. 34801 Campus Drive, Fremont, CA 94555
Tel: (800)-452-5530 | service@anaspec.com | www.anaspec.com