



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-Leu-Ala-Leu-Leu-Ala-Val-Thr-Asp-Gln-Leu-Gly-Glu-Asp-Phe-Phe-Ala-Val-Asp-Leu-Glu-Ala-Phe-Leu-Gln-Glu-Phe-Gly-Leu-Leu-Pro-Glu-Lys-Glu-OH (3-letter code)
AAVALLPAVLLALLAVTDQLGEDFFAVDLEAFLQEFGLLPEKE
(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.

Reference: Orr, A. et al. *J. Biol. Chem.* **277**, 20453 (2002).

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:

Orr, A. et al. *J Biol Chem.* **277**, 20453 (2002).
Talaia, C. et al. *Neurochem. Intern.* **47**, 418 (2005).
Morrey, C. et al. *J Pharmacol Exp Ther* **326**, 871 (2008).

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