



## Product Data Sheet

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<b>Product Name:</b>	W Peptide, WKYMVm-NH2	
<b>Catalog Number:</b>	AS-27069 (1 mg)	Lot Number: See label on vial
<b>Sequence:</b>	Trp-Lys-Tyr-Met-Val-D-Met-NH2 (3-letter code) WKYMVm-NH2 (1-letter code)	
<b>Molecular Weight:</b>	856.1	
<b>Peptide Purity:</b>	>95%	
<b>Appearance:</b>	Lyophilized white powder	

**Peptide Reconstitution:** W Peptide is freely soluble in water.

**Storage:** W 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 peptide, containing the consensus sequence XKYX(P/V)M, is found to stimulate phospholipase C (PLC)-mediated formation of InoPs in certain cell lines and human neutrophils. WKYMVm-NH2 may have the ability to activate the microbicidal functions of human neutrophils. Ref: Baek, S. et al. *J. Biol. Chem.* **271**, 8170 (1996); Boxio, R. et al. *Scand. J. Immunol.* **62**, 140 (2005); Seo, J. et al. *J. Immunol.* **158**, 1895 (1997).

**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.

Leukocytes were collected by abdominal lavage 12–14 h after zymosan injection and PMN were isolated by density gradient centrifugation as described above. fMLP (10 nM; Sigma-Aldrich) or WKYMVm (1 nM; AnaSpec) resuspended in Gey's balanced salt solution (Sigma-Aldrich) was added in the lower chamber and  $10^6$  PMN were incubated in the upper chamber at  $37^{\circ}\text{C}$  in 5%  $\text{CO}_2$  for 2 h. After incubation, filters were fixed with methanol and stained with hematoxylin. Cells that migrated to the basal side of the membrane were counted under a microscope and expressed as cells per square millimeter membrane surface-[Gyurko, R. et al. \*J. Immunol.\* \*\*177\*\*, 7250 \(2006\).](#)

### Published Citations:

Gyurko, R. et al. *J. Immunol.* **177**, 7250 (2006).

### Related Products:

Name	Cat #	Size
WRW4, Formyl Peptide Receptor-Like 1 (FPRL1) Antagonist	AS-62638	1 mg
WRWWWW		

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