

FIZZ-1 (32-51) (mouse)

Cat. No.:	HY-P3600
Molecular Formula:	C ₉₈ H ₁₆₂ N ₂₆ O ₃₂
Molecular Weight:	2216.49
Sequence Shortening:	ENKVKELLANPANYPSTVTK
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	FIZZ-1 (32-51) (mouse) is a cysteine-rich secretory protein that is highly expressed by macrophages, bronchial epithelial and type II alveolar epithelial cells (AEC) in allergic airway inflammation. FIZZ1 (32-51) (mouse) also shows an antiapoptotic effect on lung fibroblasts. FIZZ-1 (32-51) (mouse) can be used in the study of allergic pneumonia ^{[1][2]} .								
In Vitro	<p>FIZZ-1 (32-51) (mouse) (11.28 nM; 24 h) shows antiapoptotic effect on mouse lung fibroblasts by reduction in activation of caspases-3 and caspase-8^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Apoptosis Analysis^{>[1]}</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Mouse lung fibroblasts</td> </tr> <tr> <td>Concentration:</td> <td>11.28 nM (25 ng/mL)</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Significantly diminished TNFα/CHX-induced apoptosis by >40%.</td> </tr> </table>	Cell Line:	Mouse lung fibroblasts	Concentration:	11.28 nM (25 ng/mL)	Incubation Time:	24 h	Result:	Significantly diminished TNF α /CHX-induced apoptosis by >40%.
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REFERENCES

- [1]. Chung MJ, et al. Antiapoptotic effect of found in inflammatory zone (FIZZ)1 on mouse lung fibroblasts. J Pathol. 2007 Jun;212(2):180-7.
- [2]. Holcomb IN, et al. FIZZ1, a novel cysteine-rich secreted protein associated with pulmonary inflammation, defines a new gene family. EMBO J. 2000 Aug 1;19(15):4046-55.

Caution: Product has not been fully validated for medical applications. For research use only.

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