

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human PBEF/Visfatin in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 882108
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human PBEF/Visfatin Pro27-His491 Accession # P43490
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

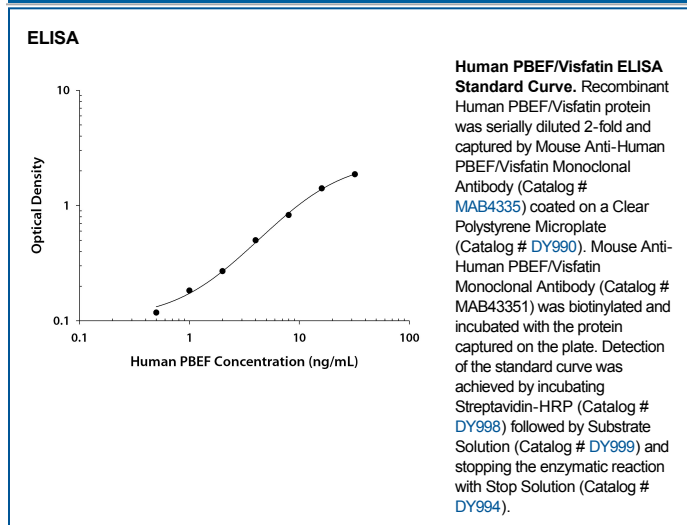
**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

**ELISA** This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human PBEF/Visfatin Monoclonal Antibody (Catalog # [MAB4335](#)).

*This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human PBEF/Visfatin DuoSet ELISA Kit (Catalog # [DY4335-05](#)) for convenient development of a sandwich ELISA.*

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

PBEF (pre-B cell colony-enhancing factor), also known as visfatin and nicotinamide phosphoribosyltransferase, is an approximately 52 kDa member of the NAPRTase family of molecules. It functions both intracellularly and extracellularly, where it participates in NAD synthesis and insulin receptor activation, respectively. Human PBEF is 491 amino acids in length and contains no signal sequence. There is at least one alternative splice form that shows a 5 aa substitution for the C-terminal 128 amino acids (aa 364-491). Over aa 27-491, human PBEF shares 96%, 97%, and 96% aa identity with mouse, porcine, and canine PBEF, respectively.