

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PBEF/Visfatin in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant rat PBEF is observed, and approximately 25% cross-reactivity with recombinant mouse PBEF is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PBEF/Visfatin isoform 1 Pro27-His491 Accession # P43490
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PBEF (pre-B cell colony-enhancing factor; also visfatin and nicotinamide phosphoribosyltransferase) is a 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.

PRODUCT SPECIFIC NOTICES

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