SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DATA SHEET

RESEARCH USE ONLY
www.cellgs.com

PPH145 PODS® Human IL-33

Description

The product contains the polyhedrin protein co-crystalized with Human IL-33. Also known as NF-HEV and DVS 27, IL-33 is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle and airway epithelial cells. It is a proinflammatory cytokine which binds and signals through the IL-1RL1/ST2 receptor to activate NF-κ-B and MAPK signalling pathways. IL-33 functions to induce type 2-associated cytokine production in polarized Type 2 helper T (Th2) cells.

Length	204 aa
Molecular Weight	23.182 kDa
Source	*Spodoptera frugiperda (Sf9) cell culture*
Accession Number	O95760

Usage Recommendation

PODS® co-crystals provide a depot of proteins which are steadily secreted. It has been estimated that the biological activity of 50 million PODS® co-crystals generates the same peak dose as 3.3 µg of standard recombinant protein. However, at 5 days following the start of seeding the PODS® co-crystals, there are more than 50% of these peak levels still present in the culture system. Ultimately, the amount of PODS® co-crystals that is optimal for a particular experiment should be determined empirically. Based on previous data, we suggest using 50 million PODS® co-crystals in place of 3.3 µg of standard growth factor as a starting point. To control for cross-reactivity with cells or as a negative control, we recommend using PODS® growth factors alongside PODS® Empty crystals, as the latter do not contain or release cargo protein.

Specifications

Alternative Names	Interleukin-33, Interleukin-1 family member 11 (IL-1F11), NF-HEV, DVS 27
Endotoxin Level	<0.06 EU/ml as measured by gel clot LAL assay
Formulation	PODS® were lyophilized from a volatile solution
AA Sequence	MADVAGTSNR DFRGREQRLF NSEQYNYNNS KNSRPSTSLY KKAGFSITGI SPITEYLASL STYNDQSITF ALEDESYEIY VEDLKKDEKK DKVLLSYYES QHPSNESGDG VDGKMLMVTL SPTKDFWLHA NNKEHSVELH KCEKPLPDQA FFVLHNMHSN CVSFECKTDP GVFIGVKDNH LALIKVDSSE NLCTENILFK LSET

Preparation and Storage

Reconstitution	PODS® co-crystals may be reconstituted at 200 million co-crystals/ml in sterile PBS. 20% glucose has a buoyant density closer to PODS® co-crystals and can be useful for aliquoting. PODS® co-crystals are highly stable when stored in aqueous solution (pH range 6 - 8).
Stability and Storage	Upon receipt, store at 4°C. PODS® co-crystals are stable for at least 1 year when dry and 6 months when resuspended.