
Product Data Sheet

Product Name: CD23 Human, Sf9

Cat. No.: GP23022

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Low affinity immunoglobulin epsilon Fc receptor isoform a; BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF; C-type lectin domain family 4 member J; Immunoglobulin E-binding factor; Lymphocyte IgE receptor.		
Amino Acid Sequence	ADPDTTQSLK QLEERAARNV SQVSKNLESH HGDQMAQKSQ STQISQELEE LRAEQRLKS QDLELSWNLN GLQADLSSFK SQELNERNEA SDLLERLREE VTKLRMELQV SSGFVCNTCP EKWINFQRKC YYFGKGTKQW VHARYACDDM EGQLVSIHSP EEQDFLTKHA SHTGSWIGLRNLDLKGFIW VDGSHVDYSN WAPGEPTSRS QGEDCVMMRG SGRWNDAFCD RKLGAWVCDR LATCTPPASE GSAESMGPDS RPDPDGRLPTPSAPLHSHHH HHH.		
Formulation	FCER2 protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

FCER2, or Fc epsilon RII, is a receptor for IgE with low affinity, which is critical to regulation of IgE levels. IgE is an antibody isotype that attached to allergy and resistance to parasites. FCER2 is a C-type lectin, contrary to many of the receptors for antibodies. FCER2 is located on activated macrophages, mature B cells, follicular dendritic cells, platelets and eosinophils.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FCER2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain

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

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containing 283 amino acids (48-321a.a.) and having a molecular mass of 32.0kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).FCER2 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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