

Recombinant human CD66b/CEACAM8 protein

Catalog Number: ATGP4004

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

35-320aa

UniProt No.

P31997

NCBI Accession No.

NP_001807

Alternative Names

Carcinoembryonic antigen-related cell adhesion molecule 8, CD67 antigen, Carcinoembryonic antigen CGM6, Non-specific cross-reacting antigen NCA-95, CD66b, CGM6, CD67, NCA-95, CEACAM8, CEA cell adhesion molecule 8

PRODUCT SPECIFICATION

Molecular Weight

32.3kDa (292aa)

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS - PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CEACAM-8, also known as CD66b, is a cell surface glycoprotein that plays a role in cell adhesion in a calcium-independent manner. It mediates heterophilic cell adhesion with other carcinoembryonic antigen-related cell

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adhesion molecules, such as CEACAM6. Its main function is cell adhesion, cell migration, and pathogen binding. However, its biological functions are largely unknown in eosinophils. It has been reported that CEACAM-8 is highly expressed on the surface of human peripheral blood eosinophils isolated from healthy individuals and used as granulocyte marker. Recombinant human CEACAM-8, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

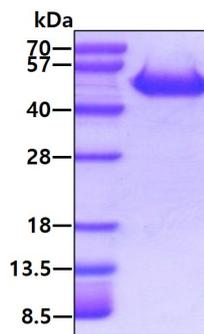
QLTIEAVPSN AAEGKEVLLL VHNLPQDPRG YNWYKGETVD ANRRIIGYVI SNQQITPGPA YSNRETIYPN ASLLMRNVTR
NDTGSYTLQV IKLNLMSSEEV TGQFSVHPET PKPSSISNNS NPVEDKDAVA FTCEPETQNT TYLWWVNGQS LPVSPRLQLS
NGNRTLTLIS VTRNDVGPYE CEIQNPASAN FSDPVTNLNL YGPDAPTISP SDTYHAGVN LNLSCHAASN PPSQYSWSVN
GTFQYTQKL FIPNITTKNS GSYACHTTNS ATGRNRTTVR MITVSD<HHHH HH>

General References

- Kuroki M., et al, (2001) J Leukoc Biol. 70:543-550.
Ilie M., et al, (2012) Cancer. 118:1726-1737.
Posabella A, et al, (2020) J Cancer Res Clin Oncol. 146:127-136.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain