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

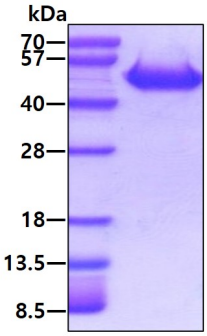
QLTIEAVPSN AAEGKEVLLL VHNLPQDPRG YNWYKGETVD ANRRIIGYVI SNQQITPGPA YSNRETIYPN ASLLMRNVTR NDTGSYTLQV IKLNLMSEEV TGQFSVHPET PKPSISSNNS NPVEDKDAVA FTCEPETQNT TYLWWVNGQS LPVSPRLQLS NGNRTLTLLS VTRNDVGPYE CEIQNPASAN FSDPVTLNVL YGPDAPTISP SDTYYHAGVN LNLSCHAASN PPSQYSWSVN GTFQQYTQKL FIPNITTKNS GSYACHTTNS ATGRNRTTVR 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