

Recombinant human CD52 protein

Catalog Number: ATGP3748

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-36aa

UniProt No.

P31358

NCBI Accession No.

NP_001794

Alternative Names

CAMPATH-1 antigen, CD52, CDW52, EDDM5

PRODUCT SPECIFICATION

Molecular Weight

28.2 kDa (251aa)

Concentration

0.5mg/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

hIgG-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

CD52, also known as CAMPATH-1 antigen, is a small glycosylphosphatidylinositol (GPI) anchored glycoprotein that is tethered to the cell surface with a GPI linkage. This protein can be targeted to induce immune suppression by complement-mediated cell lysis. CD52 is expressed on lymphocytes, monocytes, monocytes-derived dendritic cells, eosinophils, and neutrophils, but not on the stem cells from which these lymphocytes

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were derived. Also, it is an important target for therapeutic interventions aimed at leukocyte depletion in hematological malignancies and post-transplant immunosuppression. Recombinant human CD52, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

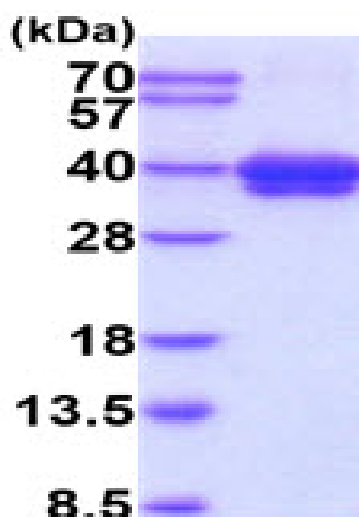
GQNDTSQTSS PSLEPKSCDK THTCPAPCAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV
EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ
VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMEAL HNHYTQKSLS
LSPGKHHHHH H

General References

Xia MQ., et al, (1991) Eur. J. Immunol. 21:1677-1684.
Rowan WC., et al, (1995) Int. Immunol. 7:69-77.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)