

Recombinant human CD320/TCbIR/8D6A protein

Catalog Number: ATGP3595

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

31-229aa

UniProt No.

Q9NPF0

NCBI Accession No.

NP_057663

Alternative Names

CD320 antigen isoform 1, CD320, 8D6, 8D6A, TCBLR

PRODUCT SPECIFICATION

Molecular Weight

47.4 kDa (438aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 90% 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

CD320, also known as CD320 antigen isoform 1, belongs to the low-density lipoprotein receptor family, with 2 low-density lipoprotein receptor type A domains separated by a complement-like cysteine-rich region. It binds TC- cobalamin (Cbl) and internalizes the complex by endocytosis. It is known to enhance proliferation of germinal center (GC) B cells and follicular dendritic cells. It augments the proliferation of PC precursors generated by IL-

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10. It collaborates with CD44 in supporting lymphomagenesis by a Burkitt lymphoma cell line, L3055. Recombinant human CD320, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

LEAAASPLST PTSAQAAGPS SGSCPPTKFQ CRTSGLCVPL TWRCDRDLDC SDGSDEEECR IEPCTQKGQC PPPPGLPCPC
TGVSDCSGGT DKKLRNCSRL ACLAGELRCT LSDDCIPLTW RCDGHPDCPD SDELGCGTN EILPEGDATT MGPPVTLESV
TSLRNATTMG PPVTLESVPS VGNATSSSAG DQSGSPTAY<L EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR
TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT
ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGGSFF LYSKLTVDKS
RWQQGNVFSC SVMHEALHNNH YTKSLSLSP GKHHHHHHH>

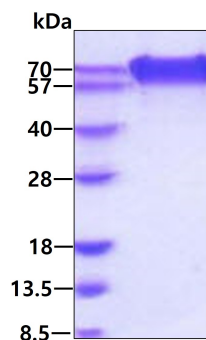
General References

Quadros EV., et al. (2009) Blood. 113:186-192.

Zhang X., et al. (2001) J Immunol. 167:49-56.

DATA

SDS-PAGE



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