

**CD320, 31-229aa, Human, hlgG-His-tag, Baculovirus**

**Cat.NO.: TP01503**

3th Edition

**Synonyms:**CD320 antigen isoform 1, CD320, 8D6, 8D6A, TCBLR

**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-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.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**47.4kDa (438aa), 57-70kDa (SDS-PAGE under reducing conditions)

**Sequences:**

LEAAASPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPLTWRCDRDLDCSDGSDEEEECRIEPTQKGQCPPPPG  
LPCPCTGVSDCSGGTDKKLRNCSRLACLAGELRCTLSDDCIPLTWRCDGHPDCPDSSDELGCGTNEILPEGDATT  
MGPPVTLESVTSLRNATTMGPPVTLESVPSVGNATSSSAGDQSGSPTAYLEPKSCDKTHTCPPCPAPELLGGPSV  
FLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN  
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY  
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.