Recombinant Human CD19 protein, His & GST-tagged

Cat. No. CD19-1907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD19 aa. (Ala160~Lys258) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala160~Lys258
Description	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>92%
Characteristic	The isoelectric point is 6.2.

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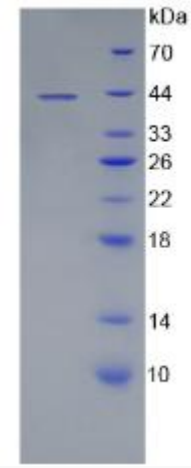
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CD19 CD19 molecule [Homo sapiens (human)]
Official Symbol	CD19
Synonyms	SERPINB9; serpin family B member 9; PI9; CAP3; PI-9; CAP-3; serpin B9; cytoplasmic antiproteinase 3; peptidase inhibitor 9; protease inhibitor 9 (ovalbumin type); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9; serpin peptidase inhibitor, clade B (ovalbumin), member 9; serpin peptidase inhibitor, clade

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	B, member 9; testicular tissue protein Li 180
Gene ID	930
mRNA Refseq	NM_001178098.1
Protein Refseq	NP_001171569.1
UniProt ID	P15391



SDS-PAGE

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