Active Recombinant Human CD19 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. CD19-3307HAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant human CD19(Pro 20 - Pro 278) fused with with a human IgG1 with a human IgG1 Fc tag tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro20-Pro278
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Mouse anti-human CD19 Mab FMC63 or HIB19 10 μg/mL (100 μL/well) can bind Human CD19, Fc Tag with a linear ranger of 10-1000 ng/mL. Measured by its binding ability in a functional ELISA. Immobilized Human CD9, His Tag at 2 μg/mL (100 μL/well) can bind Human CD19, Fc Tag with a linear range of 0.05-0.5 μg/mL.
Molecular Mass	Has a calculated MW of 55.1 kDa. DTT-reduced Protein migrates as 62-70 kDa in SDS-PAGE due to glycosylation.
N-terminal Sequence Analysis	Pro 20

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Endotoxin	< 1.0 EU/ μg of the Human CD19 (20-278), Fc Tag by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Storage Buffer	Lyophilized from 0.22 μm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	CD19 CD19 molecule [Homo sapiens]
Official Symbol	CD19
Synonyms	CD19; CD19 molecule; CD19 antigen; B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4; B4; CVID3; MGC12802;
Gene ID	930
mRNA Refseq	NM_001178098

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Protein Refseq	NP_001171569
MIM	107265
UniProt ID	P15391

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