

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

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

SPECIFICATION

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| 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

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| 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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