

Recombinant Mouse Btla Protein, hFc-tagged, Alexa Fluor 488 conjugated

Cat. No. BTLA-8698MAF488 **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Alexa Fluor 488 conjugated recombinant Mouse BTLA (Glu30-Gly176) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293). |
| Species | Mouse |
| Source | HEK293 |
| ProteinLength | Glu30-Gly176 |
| Description | B- and T-lymphocyte attenuator (BTLA) is also known as B- and T-lymphocyte-associated protein, CD antigen CD272. BTLA contains one Ig-like V-type (immunoglobulin-like) domain. As a lymphocyte inhibitory receptor, BTLA/CD272 inhibits lymphocytes during immune response. BTLA/CD272 can interact with tyrosine phosphatases PTPN6/SHP-1 and PTPN11/SHP-2, and interact with TNFRSF14/HVEM. |
| Form | Lyophilized |
| Molecular Mass | The protein has a calculated MW of 42.7 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| N-terminal Sequence Analysis | Glu 30 |

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| Endotoxin | < 1.0 EU/ µg by the LAL method. |
| Purity | > 95 % as determined by SDS-PAGE |
| Characteristic | Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Storage | For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. |
| Storage Buffer | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| Conjugation | Alexa Fluor 488 |

GENE INFORMATION

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| Gene Name | Btla B and T lymphocyte associated [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | Btla |

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| Synonyms | BTLA; B and T lymphocyte associated; B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein; A630002H24; MGC124217; MGC124218 |
| Gene ID | 208154 |
| mRNA Refseq | NM_001037719 |
| Protein Refseq | NP_001032808 |
| UniProt ID | Q7TSA3 |

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