

Recombinant Mouse Btla Protein, hFc-tagged, Alexa Fluor 555 conjugated

Cat. No. BTLA-8698MAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 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 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
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 555

GENE INFORMATION

Gene Name	Btla B and T lymphocyte associated [Mus musculus (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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