

Product datasheet for **TA386200**

Btla Monoclonal Antibody [Clone ID: HMBT-6B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HMBT-6B2
Applications:	BI, FC, FN, IP, WB
Reactivity:	Mouse
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising Armenian hamsters with mouse BTLA:Fc fusion protein.
Specificity:	<p>This antibody is specific for B and T lymphocyte attenuator (BTLA), which functions as a negative regulator of T cell activation and proliferation, and attenuates B cell proliferation upon associating with its known ligand, herpes virus entry mediator (HVEM).</p> <p>This antibody has been used in immunoblot analyses to confirm that B and T lymphocyte attenuator (BTLA) regulates T cell activation through interaction with herpesvirus entry mediator (HVEM) (Sedy et al, 2005), as well as in FACS and yeast display technology to demonstrate that BTLA exhibits structural and expression polymorphisms and is highly induced in anergic CD4+ T Cells (Hurchla et al, 2005). In a mouse conjunctivitis model, treatment with this antibody during the induction phase has been shown to decrease B-cell population, upregulate Th2 cytokine production and increase the conjunctival eosinophile numbers (Ishida et al, 2012). However, treatment with this antibody during the effector phase does not affect the development of experimental conjunctivitis (Ishida et al, 2012).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	B and T lymphocyte associated



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[Q7TSA3](#)

Synonyms: BTLA1; CD272; FLJ16065; MGC129743

Note: This chimeric hamster (Armenian) antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.