

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BTLA in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse BTLA or recombinant human HVEM is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 330104
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BTLA Ile25-Ser150 Accession # AAP44003
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

B and T Lymphocyte Attenuator (BTLA) also known as CD272, is a 70kDa type I transmembrane glycoprotein of the CD28 family of T cell costimulatory molecules. BTLA functions as a coinhibitor on activated T cells and on B cells and dendritic cells. The extracellular domain (ECD) of this Ig superfamily protein contains one V-type Ig-like domain, which interacts with the herpesvirus entry mediator (HVEM/TNFSF14). The amino acid sequence of the ECD of human BTLA shares only 34% identity to that of mouse BTLA. One human BTLA variant lacking the transmembrane sequence has been reported.

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