

Goat Anti-BTLA Antibody
Peptide-affinity purified goat antibody
Catalog # AF1169a**Specification**

Goat Anti-BTLA Antibody - Product Information

Application	WB
Primary Accession	Q7Z6A9
Other Accession	NP_001078826 , 151888 , 208154 (mouse) , 407756 (rat)
Reactivity	Mouse
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	32834

Goat Anti-BTLA Antibody - Additional Information**Gene ID** 151888**Other Names**

B- and T-lymphocyte attenuator, B- and T-lymphocyte-associated protein, CD272, BTLA

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-BTLA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-BTLA Antibody - Protein Information**Name** BTLA {ECO:0000303|PubMed:12796776, ECO:0000312|HGNC:HGNC:21087}**Function**

Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006, PubMed:15568026, PubMed:18193050)

target="_blank">18193050). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Goat Anti-BTLA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-BTLA Antibody - Images



AF1169a (1 µg/ml) staining of Mouse Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-BTLA Antibody - Background

BTLA expression is induced during activation of T cells, and BTLA remains expressed on Th1 cells but not Th2 cells. Like PD1 (MIM 600244) and CTLA4 (MIM 123890), BTLA interacts with a B7 homolog, B7H4.

Goat Anti-BTLA Antibody - References

Large-scale candidate gene analysis of spontaneous clearance of hepatitis C virus. Mosbruger TL, et al. J Infect Dis, 2010 May 1. PMID 20331378.
PD1 as a common candidate susceptibility gene of subacute sclerosing panencephalitis. Ishizaki Y, et al. Hum Genet, 2010 Jan 12. PMID 20066438.
T cell intrinsic heterodimeric complexes between HVEM and BTLA determine receptivity to the surrounding microenvironment. Cheung TC, et al. J Immunol, 2009 Dec 1. PMID 19915044.

High expression of the inhibitory receptor BTLA in T-follicular helper cells and in B-cell small lymphocytic lymphoma/chronic lymphocytic leukemia. M'Hidi H, et al. Am J Clin Pathol, 2009 Oct. PMID 19762537.

Association of BTLA gene polymorphisms with the risk of malignant breast cancer in Chinese women of Heilongjiang Province. Fu Z, et al. Breast Cancer Res Treat, 2010 Feb. PMID 19585237.