

BTLA / CD272 Antibody (clone 4C2)
Mouse Monoclonal Antibody
Catalog # ALS16664**Specification**

BTLA / CD272 Antibody (clone 4C2) - Product Information

Application	IHC, WB
Primary Accession	Q7Z6A9
Other Accession	151888
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	32834

BTLA / CD272 Antibody (clone 4C2) - Additional Information**Gene ID** 151888**Other Names**

BTLA, BTLA1, B and T lymphocyte associated, CD272, B and T lymphocyte attenuator, B- and T-lymphocyte attenuator, CD272 antigen

Target/Specificity

Human BTLA

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

BTLA / CD272 Antibody (clone 4C2) is for research use only and not for use in diagnostic or therapeutic procedures.

BTLA / CD272 Antibody (clone 4C2) - 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). 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

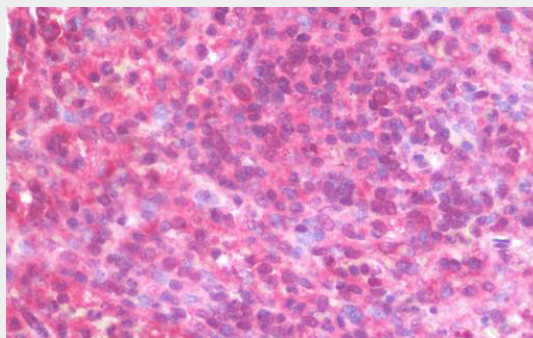
Cell membrane; Single-pass type I membrane protein

BTLA / CD272 Antibody (clone 4C2) - Protocols

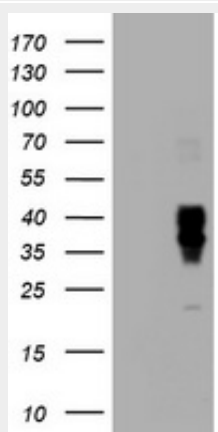
Provided below are standard protocols that you may find useful for product applications.

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

BTLA / CD272 Antibody (clone 4C2) - Images



Anti-BTLA / CD272 antibody IHC staining of human spleen.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BTLA...

BTLA / CD272 Antibody (clone 4C2) - Background

Lymphocyte inhibitory receptor which inhibits lymphocytes during immune response.

BTla / CD272 Antibody (clone 4C2) - References

Watanabe N.,et al.Nat. Immunol. 4:670-679(2003).
Mao Y.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
Oaks M.K.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).