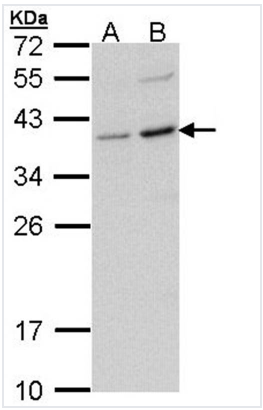
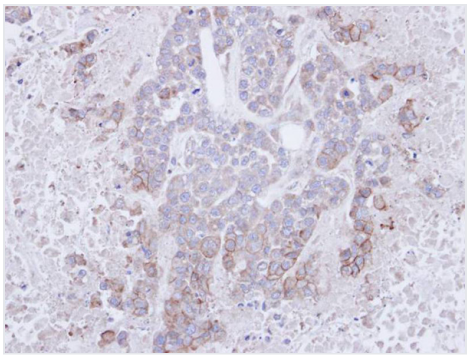
CD272 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD272, Polyclonal Antibody
Full Product Name	CD272 antibody
Product Gene Name	anti-CD272 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	27,317 Da
OMIM	607925
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 164 of CD272
Target Name	CD272
Product Categories/Family for anti-CD272 antibody	Total protein Ab
Applications Tested/Suitable for anti-CD272 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CD272 antibody	Western blotting: 1:500-1:3000 Immunohistochemistry: 1:100-1:500
Related Product Information for anti-CD272 antibody	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.[supplied by OMIM]
Other Notes	Small volumes of anti-CD272 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD272 purchase	MBS9404352 is an antibody targeting CD272. Also known as CD272 antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-CD272 antibody
Sample (30 ug of whole cell lysate) A: Molt-4 B: Raji 12% SDS PAGE Primary antibody diluted at 1: 1000



Immunohistochemistry (IHC) of anti-CD272 antibody
Immunohistochemical analysis of paraffin-embedded MDAMB468 xenograft, using CD272 antibody at 1: 100 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD272. It may not necessarily be applicable to this product.

NCBI GI #	145580619
NCBI GeneID	151888
NCBI Accession #	NP_001078826
UniProt Secondary Accession #	Q3B831; Q3HS85; Q6ZNH9
UniProt Related Accession #	Q7Z6A9
GenBank Nucleotide #	NM_001085357.1
NCBI Official Full Name	B- and T-lymphocyte attenuator isoform 2
NCBI Official Synonym Full Names	B and T lymphocyte associated
NCBI Official Symbol	BTLA
NCBI Official Synonym Symbols	BTLA1; CD272
UniProt Protein Name	B- and T-lymphocyte attenuator
UniProt Synonym Protein Names	B- and T-lymphocyte-associated protein; CD_antigen: CD272
Protein Family	B- and T-lymphocyte attenuator
UniProt Gene Name	BTLA
UniProt Entry Name	BTLA_HUMAN
NCBI Protein Information	B- and T-lymphocyte attenuator
NCBI Summary for CD272	This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid arthritis. [provided by RefSeq, Aug 2011]

UniProt Comments for CD272	BTLA: Lymphocyte inhibitory receptor which inhibits lymphocytes during immune response. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3q13.2 Cellular Component: integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: receptor activity Biological Process: T cell costimulation; negative regulation of alpha-beta T cell proliferation; immune response-regulating cell surface receptor signaling pathway; negative regulation of B cell proliferation
Research Articles on CD272	**1.** high BTLA expression levels in gastric cancer, identified by IHC, are an independent biomarker for the poor prognosis of patients with gastric cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cd272/9404352