

## ARG58439 anti-CD152 / CTLA4 antibody [1E6]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal [1E6] antibody recognizes CD152 / CTLA4
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1E6
Isotype	IgG1
Target Name	CD152 / CTLA4
Species	Human
Immunogen	Synthetic peptide around the extracellular domain of Human CD152 / CTLA4.
Conjugation	Un-conjugated
Alternate Names	GRD4; CTLA-4; CELIAC3; CD; Cytotoxic T-lymphocyte-associated antigen 4; CD152; GSE; CD antigen CD152; Cytotoxic T-lymphocyte protein 4; ALPS5; IDDM12

### Application Instructions

Application table	Application	Dilution
	ICC/IF	20 µg/ml
	IHC-P	5 µg/ml
	WB	0.125 - 0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HEK293	
Observed Size	32 kDa	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

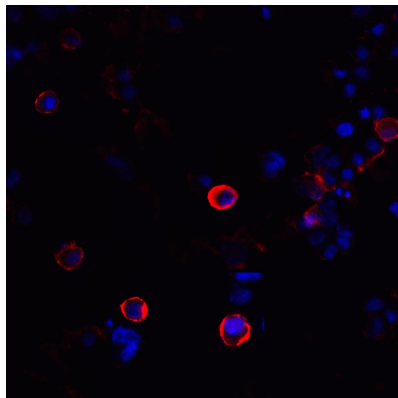
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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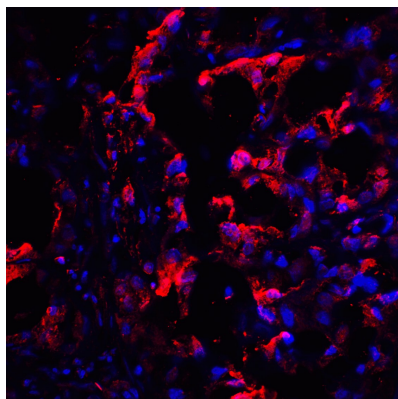
Gene Symbol	CTLA4
Gene Full Name	cytotoxic T-lymphocyte-associated protein 4
Background	This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. [provided by RefSeq, Jul 2008]
Function	Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28. [UniProt]
Calculated Mw	25 kDa
PTM	N-glycosylation is important for dimerization.  Phosphorylation at Tyr-201 prevents binding to the AP-2 adapter complex, blocks endocytosis, and leads to retention of CTLA4 on the cell surface. [UniProt]

## Images



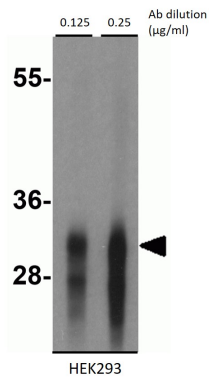
ARG58439 anti-CD152 / CTLA4 antibody [1E6] IF image

Immunofluorescence: CTLA4 transfected HEK293 cells stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 20 µg/ml dilution.



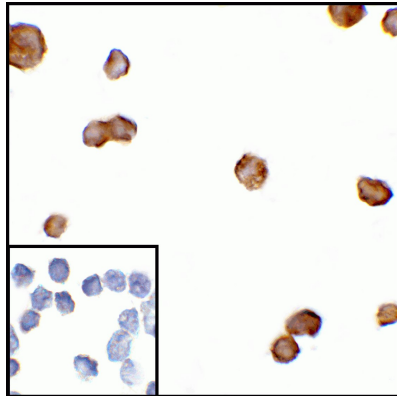
ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC image

Immunohistochemistry: Human lymph node tissue stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 20 µg/ml dilution.



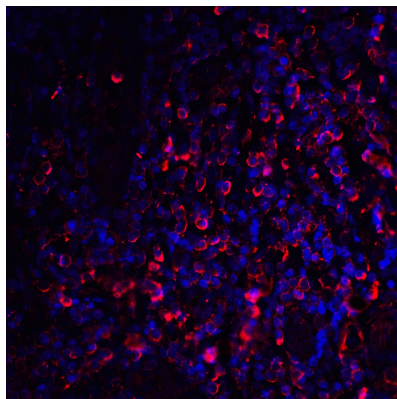
#### ARG58439 anti-CD152 / CTLA4 antibody [1E6] WB image

Western blot: CTLA4 overexpressing HEK293 cell lysate stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 0.125 and 0.25 µg/ml dilution.



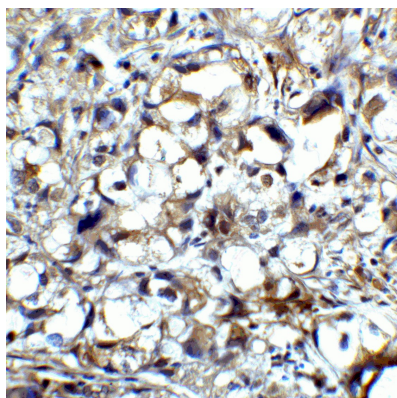
#### ARG58439 anti-CD152 / CTLA4 antibody [1E6] ICC image

Immunocytochemistry: CTLA4 transfected HEK293 cells stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 5 µg/ml dilution. Lower left (control): Mouse IgG antibody at 5 µg/ml dilution.



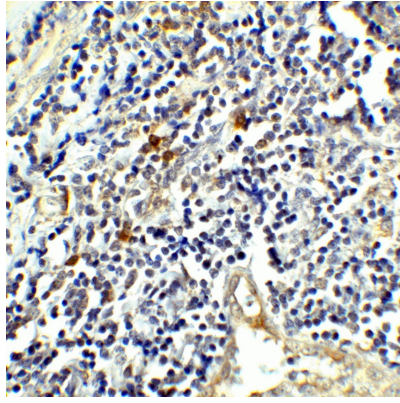
#### ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC image

Immunohistochemistry: Human tonsil tissue stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 20 µg/ml dilution.



#### ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC-P image

Immunohistochemistry: Human lymph node tissue stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 5 µg/ml dilution.



ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC-P image

Immunohistochemistry: Human tonsil tissue stained with ARG58439 anti-CD152 / CTLA4 antibody [1E6] at 5 µg/ml dilution.