

ARG58439 anti-CD152 / CTLA4 antibody [1E6]

Package: 25 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.

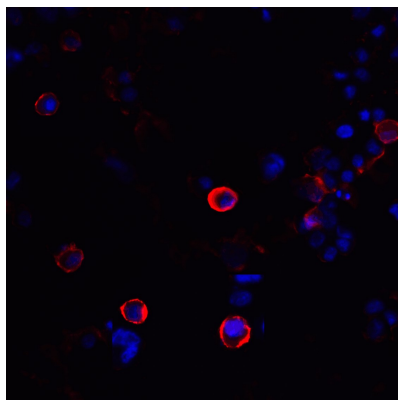
Note

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

Bioinformation

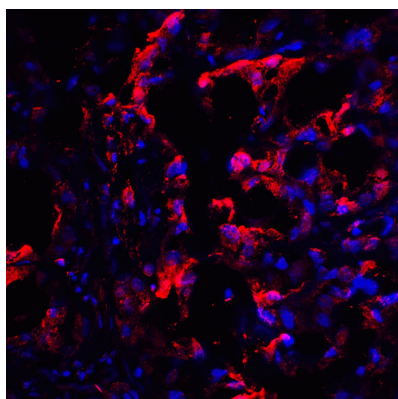
Gene Symbol	CTLA4
Gene Full Name	cytotoxic T-lymphocyte-associated protein 4
Background	This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate 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



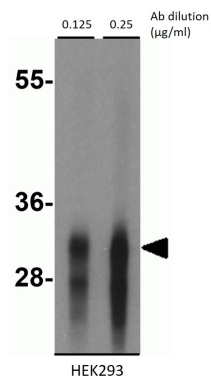
ARG58439 anti-CD152 / CTLA4 antibody [1E6] IF image

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



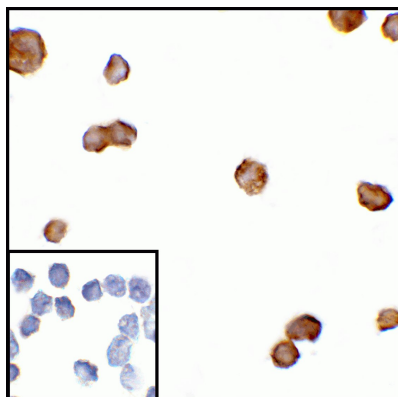
ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC image

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



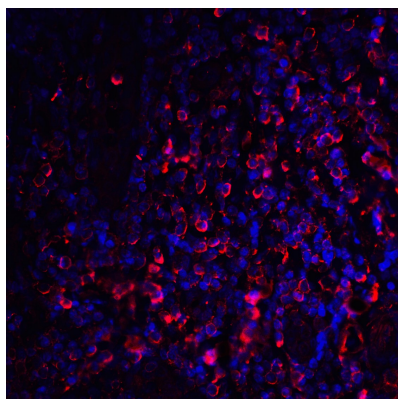
ARG58439 anti-CD152 / CTLA4 antibody [1E6] WB image

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



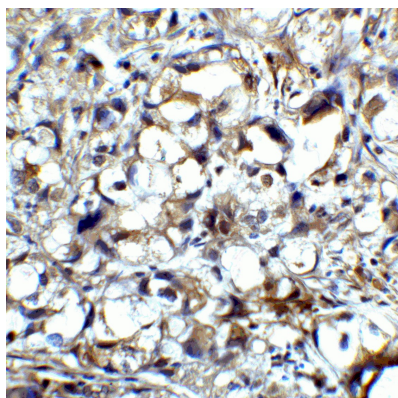
ARG58439 anti-CD152 / CTLA4 antibody [1E6] ICC image

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.



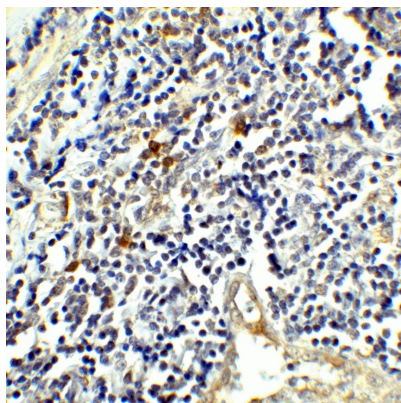
ARG58439 anti-CD152 / CTLA4 antibody [1E6] IHC image

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.