abcam

Product datasheet

Anti-CD8 alpha antibody [CA9.JD3] ab34105

2 References

Overview

Product name	Anti-CD8 alpha antibody [CA9.JD3]
Description	Mouse monoclonal [CA9.JD3] to CD8 alpha
Host species	Mouse
Specificity	Recognizes canine homologue CD8 alpha chain which is expressed by a thymocytes, peripheral T cells and a splenic zone macrophages.
Tested applications	**Suitable for:** IHC-Fr, IP, Flow Cyt
Species reactivity	**Reacts with:** Dog
Immunogen	Tissue, cells or virus corresponding to Dog CD8 alpha. Dog thymocytes
Positive control	Spleen, lymphnode
General notes	Clone CA9.JD3 has been reported to inhibit cytotoxic T lymphocyte function. Removal of sodium azide is recommended prior to use in functional assays. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Primary antibody notes	Clone CA9.JD3 has been reported to inhibit cytotoxic T lymphocyte function. Removal of sodium azide is recommended prior to use in functional assays.

Clonality	Monoclonal
Clone number	CA9.JD3
Myeloma	P3x63-Ag8.653
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34105 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Function	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
Involvement in disease	Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.
Cellular localization	Secreted and Cell membrane.

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