




Product datasheet

Anti-CD8 alpha antibody ab187366

★★★★☆ 1 Abreviews

Overview

Product name	Anti-CD8 alpha antibody
Description	Rabbit polyclonal to CD8 alpha
Host species	Rabbit
Tested applications	Suitable for: IHC-Fr, Flow Cyt, ICC/IF, WB, IP, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Orangutan 
Immunogen	Recombinant fragment corresponding to Human CD8 alpha aa 200-235. Sequence: LVITLYCNHRNRRRVCKCPRPVVKSGDKPSLSARYV Database link: P01732  Run BLAST with  Run BLAST with
Positive control	HuT78 cells, Human peripheral blood lymphocytes and Human Tonsil.

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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab187366** 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 a concentration of 1 - 2 µg/ml.
Flow Cyt	★★★★☆	Use 1-2µg for 10 ⁶ cells. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 1 - 2 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 26 kDa.
IP		Use at 2-4 µg/mg of lysate.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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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