

Product datasheet

Anti-Cyclophilin F antibody [E11AE12BD4] (Alexa Fluor® 488) ab156032

3 Images

Overview

Product name	Anti-Cyclophilin F antibody [E11AE12BD4] (Alexa Fluor® 488)
Description	Mouse monoclonal [E11AE12BD4] to Cyclophilin F (Alexa Fluor® 488)
Host species	Mouse
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
Tested applications	Suitable for: ICC/IF, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Cow, Human
Immunogen	Recombinant full length protein corresponding to Rat Cyclophilin F.
Positive control	HDFn and HeLa cells.
General notes	<p>Product was previously marketed under the MitoSciences sub-brand.</p> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, 68% PBS

Purification notes	ab156032 is a conjugated form of ab110324 which was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Clonality	Monoclonal
Clone number	E11AE12BD4
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab156032** in the following tested applications.

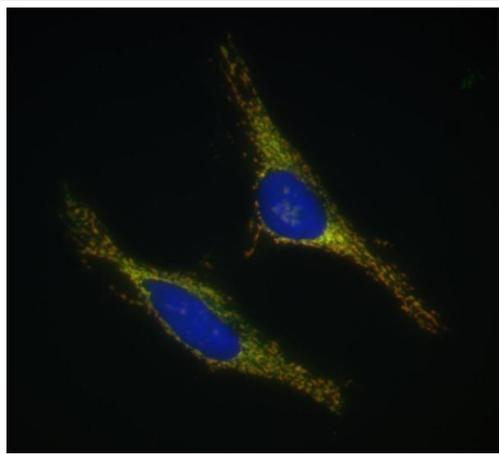
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
Flow Cyt		Use a concentration of 0.2 µg/ml. ab171463 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	PPases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Sequence similarities	Belongs to the cyclophilin-type PPase family. Contains 1 PPase cyclophilin-type domain.
Cellular localization	Mitochondrion matrix.
Form	This gene encodes a 178 aa mature protein that is found in the mitochondrion and may participate in the permeability transition pore. While technically this protein is Cyclophilin F, literature references commonly refer to this protein as 'cyclophilin D' or 'CypD'. A different cytoplasmic protein of 370 aa, represented by Entrez GeneID 5481, is identified as Cyclophilin D. This antibody does not react with this 370 aa cytoplasmic protein.

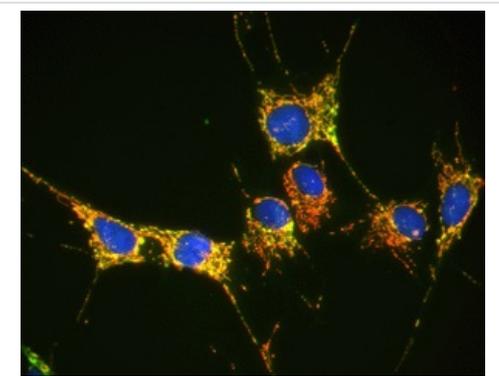
Images



Immunocytochemistry/ Immunofluorescence - Anti-Cyclophilin F antibody [E11AE12BD4] (Alexa Fluor® 488) (ab156032)

Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells labeling Cyclophilin F with ab156032 at 5.0 µg/ml, (green); Anti-HSP60 (1/2500, [ab46798](#)) as red, and DAPI in blue, as a nuclear stain.

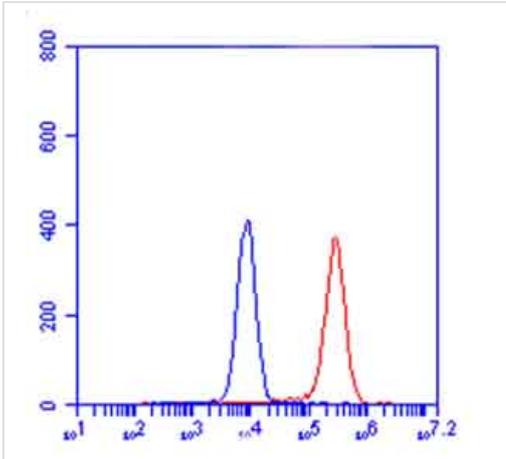
Secondary antibody used was goat anti-rabbit Alexa594 (1/1000). All blocking and antibodies were diluted in 10% normal goat serum.



Immunocytochemistry/ Immunofluorescence - Anti-Cyclophilin F antibody [E11AE12BD4] (Alexa Fluor® 488) (ab156032)

Immunofluorescent analysis of paraformaldehyde-fixed HDFn cells labeling Cyclophilin F with ab156032 at 5.0 µg/ml (green); Anti-HSP60 (1/2500, [ab46798](#)) as red, and DAPI in blue, as a nuclear stain.

Secondary antibody used was goat anti-rabbit Alexa594 (1/1000). All blocking and antibodies were diluted in 10% normal goat serum



Flow cytometric analysis of HeLa cells labeling Cyclophilin F with ab156032 at 0.2 µg/ml (red) or an equal amount of IgG1 Alexa-488 Isotype control antibody (blue).

Flow Cytometry - Anti-Cyclophilin F antibody
[E11AE12BD4] (Alexa Fluor® 488) (ab156032)

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