

Product datasheet

FITC Anti-PD-L1 antibody [28-8] ab224027

Recombinant RabMAb

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Overview

Product name	FITC Anti-PD-L1 antibody [28-8]
Description	FITC Rabbit monoclonal [28-8] to PD-L1
Host species	Rabbit
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human Does not react with: Chinese hamster
Immunogen	Fusion protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow Cyt: CHO-PDL1 cells. ICC/IF: CHO-PDL1 cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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. Store In the Dark.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	28-8
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab224027 in the following tested applications.

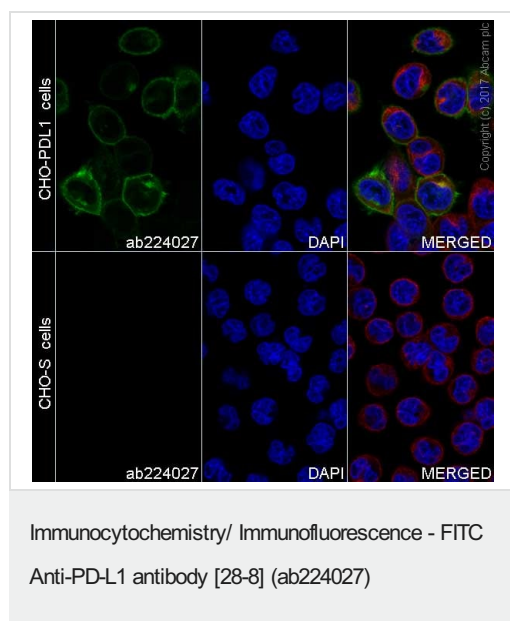
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100. This product gave a positive signal in CHO-PDL1 cells fixed with 4% formaldehyde (10 min)
Flow Cyt		1/500.

Target

Function	Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.
Tissue specificity	Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane and Endomembrane system.

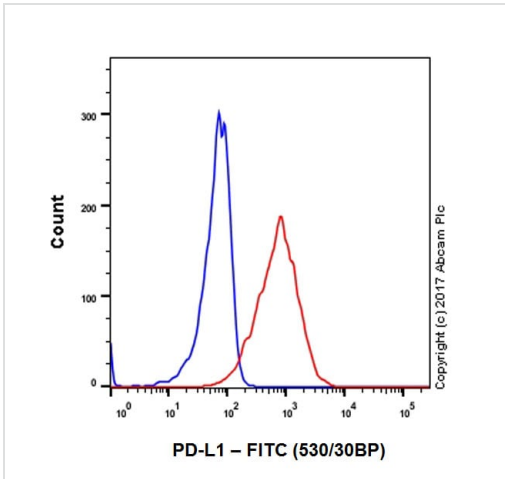
Images



ab224027 staining PDL1 in CHO-PDL1 cells. The lower panels demonstrate that ab224027 does not cross react with un-transfected CHO-S cells.

The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab224027 at 1/100 dilution (shown in green) and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).







Flow Cytometry - FITC Anti-PD-L1 antibody [28-8] (ab224027)

Overlay histogram showing CHO-S (blue line) and CHO-PD-L1 transfected (red line) cells stained with ab224027.

The cells were incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab224027, 1/500 dilution) for 30 min at 22°C.

Acquisition of >5,000 events were collected using a 20 mW solid-state laser (488nm) and 530/30 bandpass filter.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

FITC Anti-PD-L1 antibody [28-8] (ab224027)

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