

Product datasheet

Anti-CDX2 antibody [EPR2764Y] (Alexa Fluor® 647)
ab195008

Recombinant RabMAb

2 Images

Overview

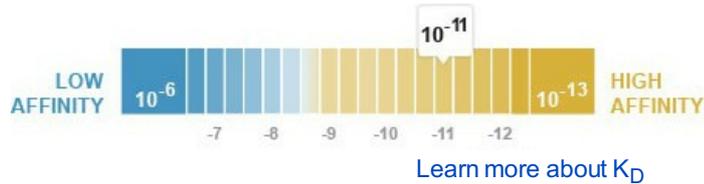
Product name	Anti-CDX2 antibody [EPR2764Y] (Alexa Fluor® 647)
Description	Rabbit monoclonal [EPR2764Y] to CDX2 (Alexa Fluor® 647)
Host species	Rabbit
Conjugation	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
Tested applications	Suitable for: Flow Cyt, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit ▲
Immunogen	Synthetic peptide within Human CDX2 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	ICC/IF: SW480 cells. Flow Cyt: SW480 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here .

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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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. Stable for 12 months at -20°C. Store In the Dark.
Dissociation constant (K_D)	K _D = 1.00 x 10 ⁻¹¹ M



Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol, 1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2764Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab195008** in the following tested applications.

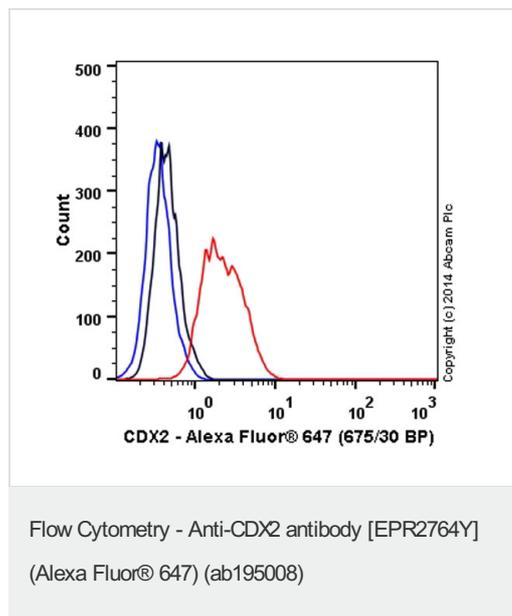
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/50. ab199093 - Rabbit monoclonal IgG (Alexa Fluor® 647), is suitable for use as an isotype control with this antibody.
ICC/IF		1/100.

Target

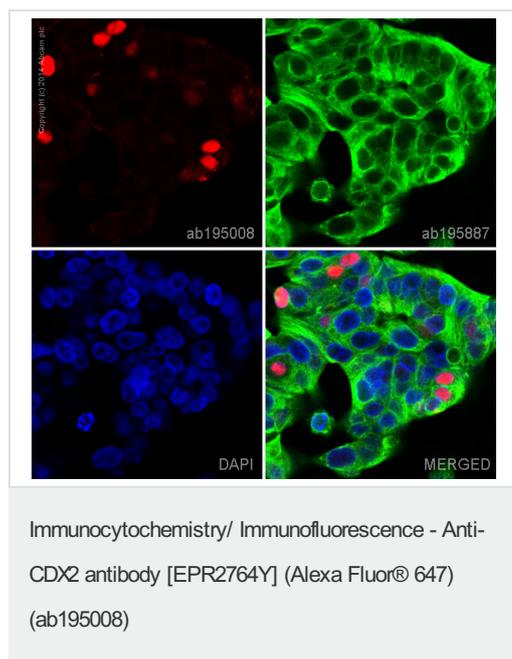
Function	Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.
Sequence similarities	Belongs to the Caudal homeobox family. Contains 1 homeobox DNA-binding domain.
Post-translational modifications	Phosphorylation of Ser-60 mediates the transactivation capacity.

Images



Overlay histogram showing SW480 cells stained with ab195008 (red line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab195008, 1/50 dilution) for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) Alexa Fluor® 647 used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a solid-state 25mW red diode laser (635 nm) and 675/30 bandpass filter.



ab195008 staining CDX2 in SW480 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 ab195008 at a 1/100 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at a 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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