

Product datasheet

Anti-CD93 antibody [EPR5386] α b134079

Recombinant RabMAb

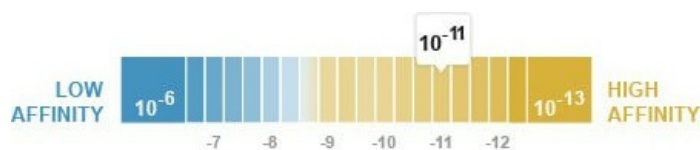
[4 References](#) [5 Images](#)

Overview

Product name	Anti-CD93 antibody [EPR5386]
Description	Rabbit monoclonal [EPR5386] to CD93
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra) Unsuitable for: ELISA, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: U937 (human histiocytic lymphoma monocyte) whole cell lysate, Rat spleen tissue lysate, Mouse spleen tissue lysate.
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 -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	$K_D = 1.80 \times 10^{-11}$ M



[Learn more about \$K_D\$](#)

Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide
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	Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5386
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134079 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

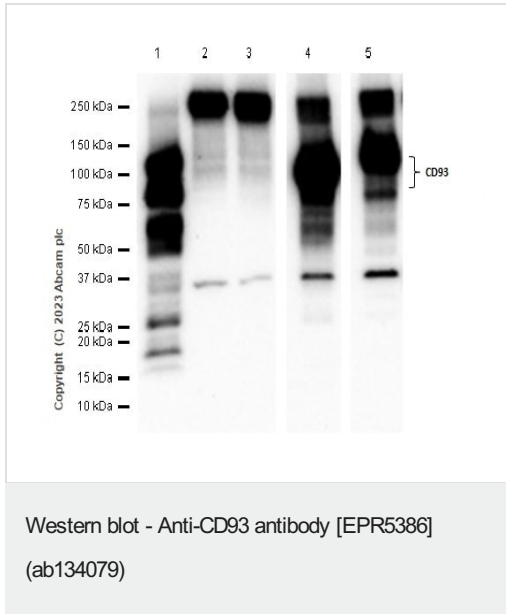
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 120 kDa (predicted molecular weight: 69 kDa).
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for ELISA,IHC-P or IP.

Target

Function	Receptor (or element of a larger receptor complex) for C1q, mannose-binding lectin (MBL2) and pulmonary surfactant protein A (SPA). May mediate the enhancement of phagocytosis in monocytes and macrophages upon interaction with soluble defense collagens. May play a role in intercellular adhesion.
Tissue specificity	Highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. Not expressed in cells of lymphoid origin.
Sequence similarities	Contains 1 C-type lectin domain. Contains 5 EGF-like domains.
Post-translational modifications	N- and O-glycosylated.
Cellular localization	Membrane.

Images



All lanes : Anti-CD93 antibody [EPR5386] (ab134079) at 1/1000 dilution

Lane 1 : U937 (human histiocytic lymphoma monocyte) whole cell lysate

Lane 2 : Raji (human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 3 : 293T (human embryonic kidney epithelial cell) whole cell lysate

Lane 4 : Rat spleen tissue lysate

Lane 5 : Mouse spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 69 kDa

Observed band size: 100,50-80 kDa

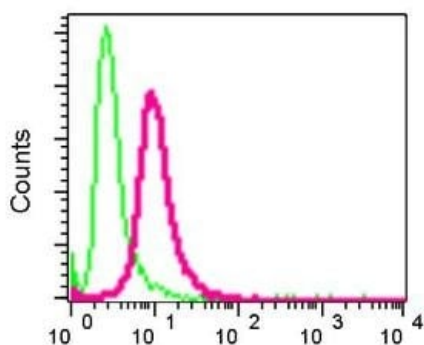
Exposure time: 180 seconds

Bands around 100kDa and 75kDa are full length CD93 with different level of glycosylation (PMID: 19603257). We are not sure the identity of bands below 70kDa.

The expression profile observed in Raji and 293T is consistent with the literatures (PMID: 31182688, PMID:15459234)

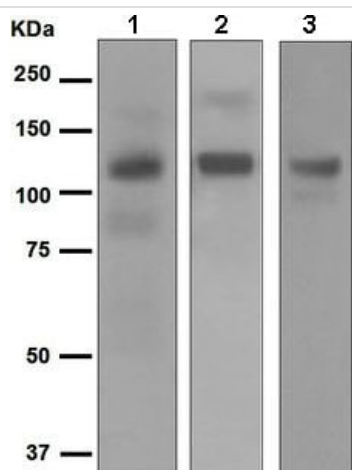
Negative control: Raji and 293T (PMID: 31182688, PMID:15459234)

Blocking and dilution buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-CD93 antibody [EPR5386] (ab134079)

Intracellular flow cytometric analysis of permeabilized THP-1 cells labelling CD93 red with ab134079 at 1/100 and a rabbit IgG negative (green).



Western blot - Anti-CD93 antibody [EPR5386] (ab134079)

All lanes : Anti-CD93 antibody [EPR5386] (ab134079) at 1/1000 dilution

Lane 1 : THP-1 lysate

Lane 2 : Rat kidney lysate

Lane 3 : Human platelet lysate

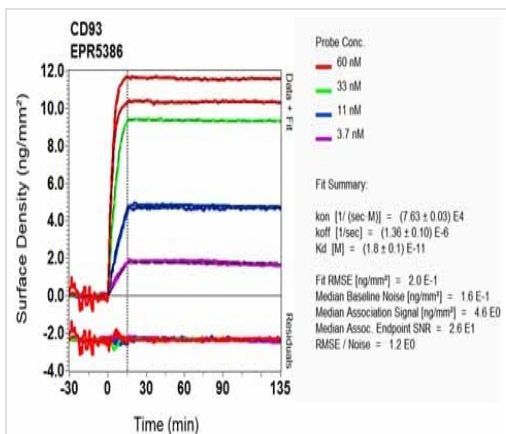
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled Goat anti-rabbit at 1/2000 dilution

Predicted band size: 69 kDa

Observed band size: 120 kDa



SPR Scanning - Anti-CD93 antibody [EPR5386]
(ab134079)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-CD93 antibody [EPR5386] (ab134079)

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