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Datasheet for ABIN7072454

Recombinant anti-CD131 antibody

1 Image

Overview

Quantity:	200 µg
Target:	CD131 (CSF2RB)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD131 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Blocking Peptide (BP), Crystallization (Crys), Functional Studies (Func)

Product Details

Immunogen:	BALB/c mice were immunized intraperitoneally with COS cells transfected DQP (Domain 4 of the common beta-chain) expression constructs. The immunizations were repeated 4 times at 2-week intervals. Four weeks after the final immunization, a mouse was boosted with COS transfectants intravenously. Three days later, splenocytes were harvested and fused with NS-1 myeloma cells. Hybridoma supernatants were screened on CHO DQP cells by flow cytometry, with untransfected CHO cells as a control. All antibodies were from single hybridoma clones as selected by a limiting dilution method. MoAbs were purified from ascites fluid or hybridoma supernatant by a protein A sepharose column.
Clone:	BION-1
Isotype:	IgG kappa

Product Details

Characteristics: Original Species of Ab: Mouse
Original Format of Ab: IgG

Purification: Purified antibody.

Target Details

Target: CD131 (CSF2RB)

Alternative Name: CD131 ([CSF2RB Products](#))

Background: CSF2RB, CD131, IL3RB, IL-3R common beta subunit, IL5RB, colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage), SMDP5, Common Beta-Chain, CDw131, cytokine receptor common subunit beta, beta-c, CD131, Beta Common Chain

UniProt: [P32927](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

Handling

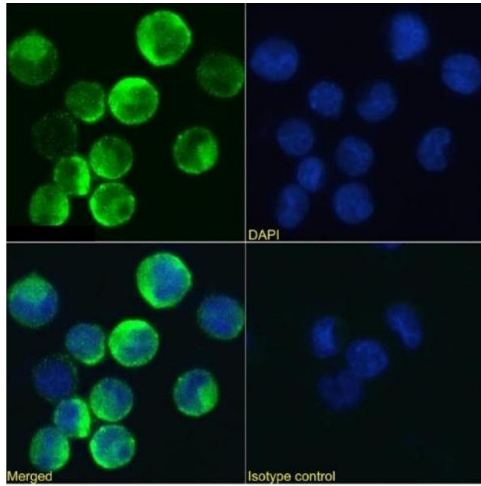
Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of U937 cells using anti-CD131 antibody BION-1. Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on Shi-fix™ cover-slips and stained with the chimeric rabbit IgG version of BION-1 (ABIN7072454) at 10 µg/mL followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072454, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (ABIN5668035) followed by Alexa Fluor® 488 secondary antibody.