

Datasheet: HCA112

Description:	HUMAN ANTI HUMAN CD81
Specificity:	CD81
Other names:	TAPA-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD08863
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	A bivalent human recombinant Fab selected from the HuCAL [®] phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a double extended Strep-tag (SAWSHPQFEKGGGSGGGSGGSAWSHPQFEK).
Preparation	StrepTactin affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal

Stabilisers

Approx. Protein Concentrations Total protein concentration 0.5 mg/ml

Immunogen Recombinant human CD81.

External Database Links

UniProt:

[P60033](#) [Related reagents](#)

Entrez Gene:

[975](#) CD81 [Related reagents](#)

Synonyms TAPA1, TSPAN28

RRID AB_2244574

Specificity

Human anti human CD81 antibody, clone AbD08863 specifically recognizes human CD81, which is a 26 kDa member of the TM4SF tetraspanin family. In humans, CD81 is widely expressed on most tissues with T-cells having the highest level of expression, followed by monocytes and B-cells. Levels of CD81 expression are increased after activation.

CD81 has the ability to interact with a wide range of proteins and plays an important role in a variety of leucocyte functions including activation, proliferation and differentiation. In recent studies, the CD81 molecule has been identified as the putative receptor for the Hepatitis C Virus envelope E2 glycoprotein and is vital for HCV entry into hepatic cells.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Acknowledgements Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.

Health And Safety Information

Material Safety Datasheet documentation #10094 available at:
10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

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Regulatory For research purposes only

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG IMMO (MCA2488...) [Purified](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[HuCAL Fab-dHLX-MSx2 NEGATIVE CONTROL \(HCA102\)](#)

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From March 15, 2021, we will no longer supply printed datasheets with our products.
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