SICGEN ANTIBODIES

Product Data Sheet

Catalogue No. **Qty:**

600 µg
1.5 mg

Anti-CD63

Source: Goat

General description: CD63 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of the members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker.

Alternative names: CD63 antigen, CD63 antigen (melanoma 1 antigen), granulophysin, LAMP-3, lysosomal-associated membrane protein 3, lysosome-associated membrane glycoprotein 3, ME491, melanoma-associated antigen, melanoma 1 antigen, melanoma-associated antigen ME491, MLA1, ocular melanoma-associated antigen, OMA81H, tetraspanin-30, TSPAN30 antibody.

Form: Polyclonal antibody supplied as a 200 or 500 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 120 aa to 175 aa of human CD63 produced in E. coli.

Specificity: Reacts with CD63, a 40-60 kDa glycoprotein, detected by Western blot in the following human (HeLa, HUH, Jurkat), mouse (AtT-20, Hepa, 3T3, RAW264.7), canine (MDCK) and monkey (COS-7) whole cell lysates.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	+++	ND
Rat	+++	ND	ND	+++	ND
Mouse	+++	ND	ND	+++	ND
Canine	+++	ND	ND	+++	ND
Monkey	+++	ND	ND	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:500-1:5,000

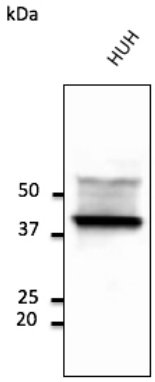
IF: 1:25-1:250

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

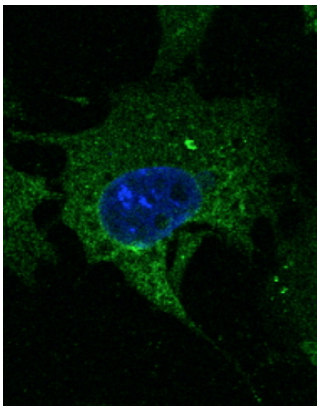
Special instructions: The antibody solution should be gently mixed before use..

References:

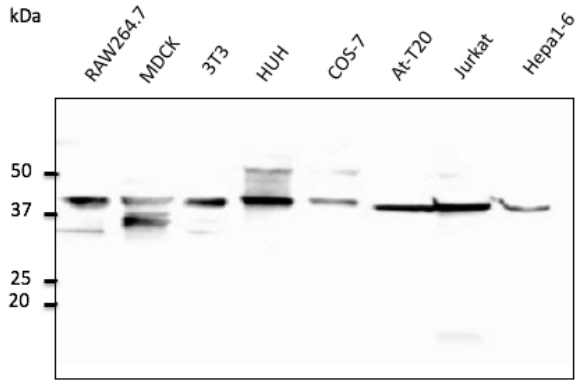
1. Carvalho AS, Moraes MCS, Hyun Na C, et al. Cancers, 2020 Nov. PMID: 33233545
2. Ferreira JV, Rosa Soares A, Ramalho JS, et al. PLoS One. 2019 Oct. PMID: 31613922
3. Cardoso MHS, PhD Thesis, NOVA University of Lisbon, Portugal 2018
4. Martins-Marques T, Pinho MJ, Zuzarte M. et al. J Extracell Vesicles. 2016 Sep 29;5:32538. PMID: 27702427
5. Successfully validated (Western Blotting) by Center for Diabetes and Metabolic Diseases, Indiana University, US



Anti-CD63 Ab at 1/2,500 dilution; lysate at 50 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution.



Immunofluorescence – anti-CD63 Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with 4% of PFA;



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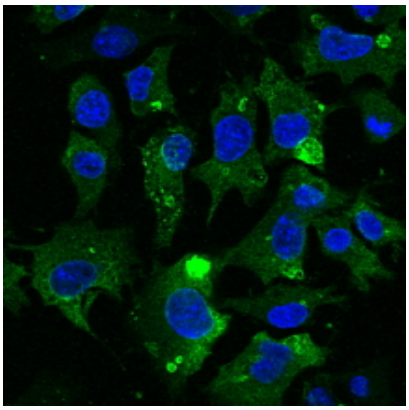

Immunofluorescence – anti-CD63 Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with 4% of PFA;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.