

Rabbit anti-Human CF150 Polyclonal Antibody | anti-MB21D1 antibody

CF150 Antibody (Center)

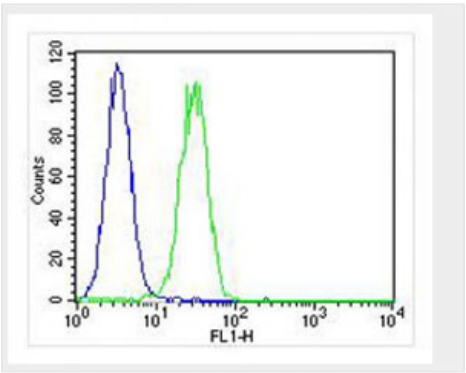
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28789	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

CF150; Polyclonal Antibody; CF150 Antibody (Center); Cyclic GMP-AMP synthase; cGAMP synthase; cGAS; h-cGAS; Mab-21 domain-containing protein 1; MB21D1; C6orf150; anti-MB21D1 antibody

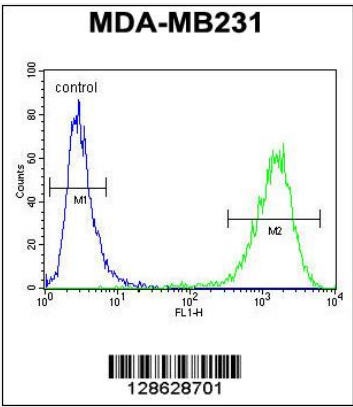
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CF150 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-295 amino acids from the Central region of human CF150.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	266-295
Sequence Length	447
Applicable Applications for anti-MB21D1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Application Notes	FC~~1:10~50 WB~~1:500-1:1000
Cellular Location	Cytoplasm, cytosol Note=Upon transfection with dsDNA forms punctate structures that co-localize with DNA and Beclin-1 (BECN1)(PubMed:26048138)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



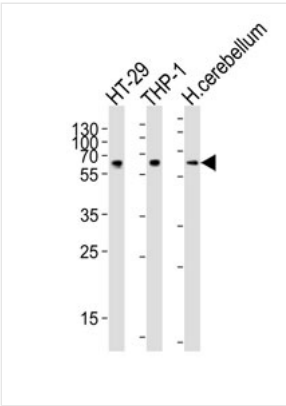
Application Data

Overlay histogram showing U-2OS cells stained with AP10510c (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated n 2% bovine serum albumin to block non-specificprotein-protein interactions followed by the antibody (AP10510c, 1:25 dilution) for 60 min at 37°C. The secondary antibody used wasGoat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(NA168821) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1?g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events wasperformed



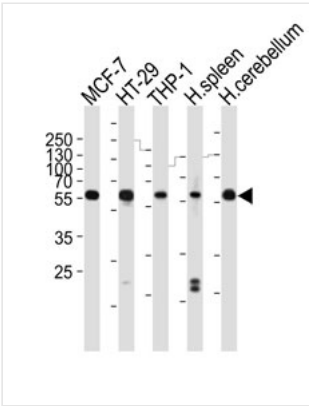
FCM (Flow Cytometry)

CF150 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



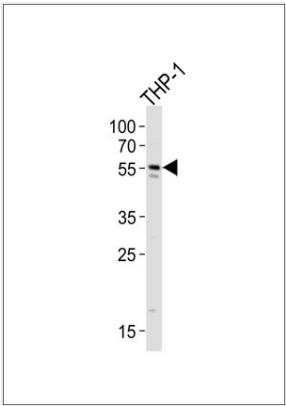
WB (Western Blot)

Western blot analysis of lysates from HT-29, THP-1 cell line, human cerebellum tissue lysate (from left to right), using CF150 Antibody (Center). AAA28789 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



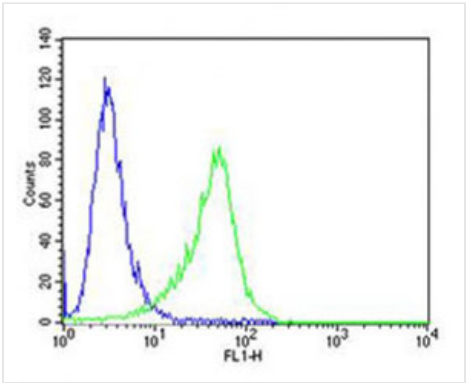
WB (Western Blot)

Western blot analysis of lysates from MCF-7, HT-29, THP-1 cell line, human spleen, human cerebellum tissue lysate(from left to right), using CF150 Antibody (Center). AAA28789 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



WB (Western Blot)

Western blot analysis of lysate from THP-1 cell line, using CF150 Antibody (Center). AAA28789 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



FCM (Flow Cytometry)

Flow cytometric analysis of A549 cells using CF150 Antibody (Center) (green) compared to an isotype control of rabbit IgG(blue). AAA28789 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MB21D1 antibody	The exact function of C6orf150 remains unknown.
Product Categories/Family for anti-MB21D1 antibody	Cell Biology
References	Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Mungall, A.J., et al. Nature 425(6960):805-811(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115511030
NCBI GeneID	115004
NCBI Accession #	NP_612450.2
NCBI GenBank Nucleotide #	NM_138441.2
UniProt Accession #	Q8N884; Q14CV6; Q32NC9; Q5SWL0; Q5SWL1; Q96E45; L0L2J9
Molecular Weight	58814
NCBI Official Full Name	cyclic GMP-AMP synthase
NCBI Official Synonym Full Names	Mab-21 domain containing 1
NCBI Official Symbol	MB21D1
NCBI Official Synonym Symbols	cGAS; h-cGAS; C6orf150
NCBI Protein Information	cyclic GMP-AMP synthase
UniProt Protein Name	Cyclic GMP-AMP synthase
UniProt Gene Name	MB21D1
UniProt Synonym Gene Names	C6orf150; cGAMP synthase; cGAS; h-cGAS
UniProt Entry Name	CGAS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cf150-antibody-flow-cytometry-western-blot-elisa/28789>