

Mouse anti-Human Crisp3 Monoclonal Antibody | anti-CRISP3 antibody

anti-human Cysteine-rich secretory protein 3 (Crisp3) monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71471	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

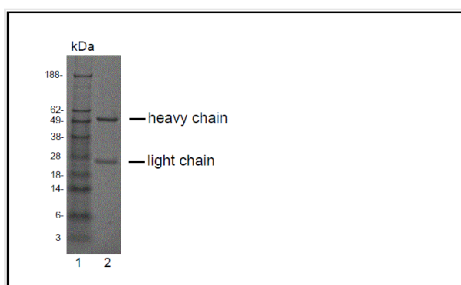
PRODUCT SYNONYMS

Crisp3; Monoclonal Antibody; anti-human Cysteine-rich secretory protein 3 (Crisp3) monoclonal antibody; anti-CRISP3 antibody

PRODUCT SPECIFICATIONS

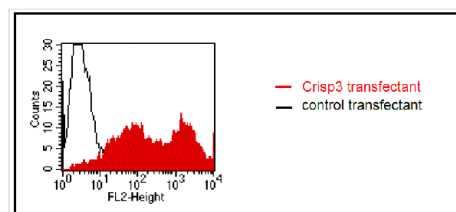
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	LV-2A2
Specificity	anti-human cysteine-rich secretory protein 3 (Crisp3, SGP28)
Purity/Purification	Protein G
Form/Format	Purified
Sequence Length	268
Applicable Applications for anti-CRISP3 antibody	ELISA (Competitive ELISA), FCM/FACS (Flow Cytometry)
Buffer	phosphate buffered saline, pH 7.2
Immunogen	genetic immunisation with cDNA encoding human Crisp3
Selection	based on recognition of the complete native protein expressed on transfected mammalian cells
Immunogen	cDNA
Preparation and Storage	Short term: 2 degree C - 8 degree C; long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



Application Data

Fig.2: SDS-PAGE analysis of purified LV-2A2 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified LV-2A2 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.



Application Data

Fig.1: FACS analysis of BOSC23 cells using LV-2A2 Cat.# GM-0904. BOSC23 cells were transiently transfected with an expression vector encoding either Crisp3 (red curve) or an irrelevant protein (control transfectant: black curve). Binding of LV-2A2 was detected with a PEconjugated secondary antibody. A positive signal was obtained only with Crisp3 transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CRISP3 antibody	Background: Cysteine-rich secretory protein 3 (CRISP3) belongs to the cysteine-rich secretory protein family. CRISPs are characterized by a cysteine-rich domain at the COOH terminal that form 8 intramolecular disulfide bonds (1). Mammalian members of the CRISP family are expressed predominantly in the male reproductive tract and are implicated in the process of reproduction from spermiogenesis, posttesticular sperm maturation and capacitation to oocyte-sperm fusion (2). CRISP3 is epithelium-specific and found predominantly in salivary gland, pancreas and prostate, and in less abundance in the epididymis, ovary, thymus and colon. CRISP3 is up-regulated in malignant prostatic epithelium, therefore, it can be used as a potential prostate cancer biomarker (3).
References	Krätzschmar J, Haendler B, Eberspaecher U, Roosterman D, Donner P, Schleuning WD (1996). The human cysteine-rich secretory protein (CRISP) family. Primary structure and tissue distribution of CRISP-1, CRISP-2 and CRISP-3 Eur J Biochem 15;236(3):827-36 Udby L, Bjartell A, Malm J, Egesten A, Lundwall A, Cowland JB, Borregaard N, Kjeldsen L (2005). Characterization and Localization of Cysteine-Rich Secretory Protein 3 (CRISP-3) in the Human Male Reproductive Tract. J Androl ;26(3):333-42 Kosari F, Asmann YW, Cheville JC and Vasmatzis G (2002). Cysteine-rich Secretory Protein- 3: A Potential Biomarker for Prostate Cancer. Cancer Epidemiology Biomarkers & Prevention 11;1419-1426

NCBI AND UNIPROT INFORMATION

NCBI GI #	300244562
NCBI GeneID	10321
NCBI Accession #	NP_001177915.1
NCBI GenBank Nucleotide #	NM_001190986.1
UniProt Accession #	P54108; Q15512; Q3MJ82; Q53FA9; Q5JW83; Q9H108; A8K9S1; B2R8I8
Molecular Weight	30,116 Da
NCBI Official Full Name	cysteine-rich secretory protein 3 isoform 2
NCBI Official Synonym Full Names	cysteine-rich secretory protein 3
NCBI Official Symbol	CRISP3
NCBI Official Synonym Symbols	Aeg2; CRS3; SGP28; CRISP-3; dJ442L6.3
NCBI Protein Information	cysteine-rich secretory protein 3; cysteine-rich secretory protein-3; specific granule protein (28 kDa); specific granule protein of 28 kDa
UniProt Gene Name	CRISP3
UniProt Synonym Gene Names	CRISP-3; SGP28
UniProt Entry Name	CRIS3_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/monoclonal/crisp3-antibody-clone-lv-2a2-competitive-elisa-flow-cytometry-elisa/71471>