

Product datasheet for **DM1217**

CRISP3 Mouse Monoclonal Antibody [Clone ID: LV-2A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LV-2A2
Applications:	ELISA, FC, WB
Recommended Dilution:	Flow cytometry: 1.2 µg/10e6 cells. ELISA (detection): Clone LU-5E11-A7 as capture antibody. Cell based ELISA with intact, transiently transfected cells: 1/200-1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Genetic immunisation with cDNA encoding Human CRISP3.
Specificity:	Recognizes Cysteine-Rich Secretory Protein 3 (CRISP3).
Formulation:	Phosphate buffered saline, pH 7.2 State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cysteine rich secretory protein 3
Database Link:	Entrez Gene 10321 Human P54108



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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).

Synonyms:

Cysteine-rich secretory protein 3, CRISP-3, SGP28

Protein Families:

Secreted Protein

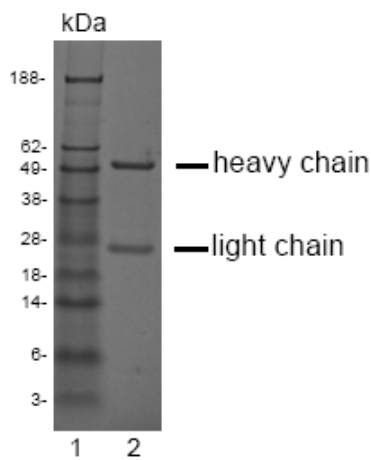
Product images:


Figure 2. SDS-PAGE analysis of purified LV-2A2 monoclonal antibody. Lane 1: Molecular Weight marker, Lane 2: 2 ug of purified LV-2A2 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.

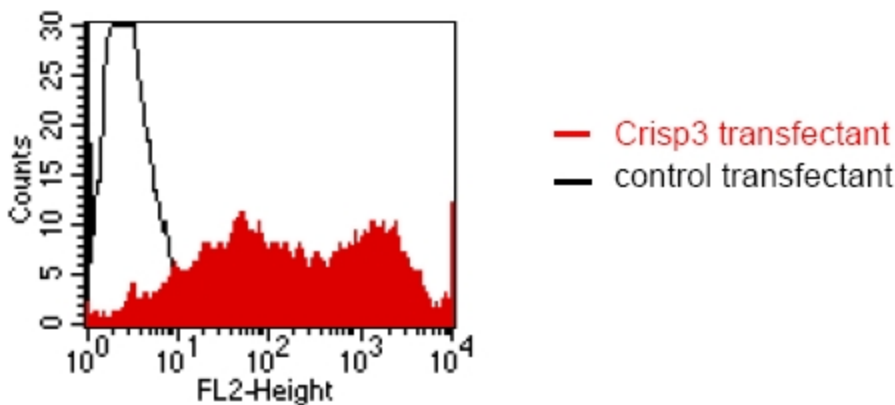


Figure 1. FACS analysis of BOSC23 cells using LV-2A2 antibody. BOSC23 cells were transiently transfected with an expression vector encoding either Crisp3 (Red curve) or an irrelevant protein (control transfectant: black curve). Binding of LV-2A2 was detected with a PE conjugated secondary antibody. A positive signal was obtained only with Crisp3 transfected cells.