ARG53952
anti-Intra Acrosomal Protein antibody [Hs-14] (FITC)

Package: 50 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [Hs-14] recognizes Intra Acrosomal Protein
Tested Reactivity	Hu, Ms
Tested Application	FACS
Specificity	The clone Hs-14 reacts with a 220 kDa testis-specific human intra-acrosomal protein associated with the membranes of the acrosomal vesicle._x000D_
Host	Mouse
Clonality	Monoclonal
Clone	Hs-14
Isotype	IgM
Target Name	Intra Acrosomal Protein
Species	Human
Immunogen	Freshly ejaculated human sperms were washed in PBS and extracted in 3% acetic acid, 10% glycerol, 30 mM benzaminidine. The acid extract was dialyzed against 0.2% acetic acid and subsequently used for immunization.
Conjugation	FITC
Alternate Names	D11S4365; Acrosomal vesicle protein 1; SP-10; Acrosomal protein SP-10; SPACA2

Application Instructions

Application table

Application	Dilution
FACS	20 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

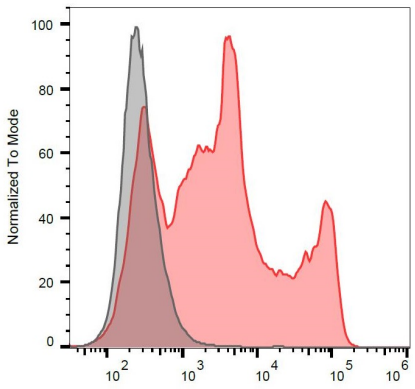
Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Buffer	TBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 11451 Mouse GeneID: 56 Human Swiss-port # P26436 Human Swiss-port # P50289 Mouse
Gene Symbol	ACRV1
Gene Full Name	acrosomal vesicle protein 1
Background	One of the most frequent causes of man infertility is defective sperm acrosome. This damage can be detected using antibodies against intra-acrosomal proteins. Besides diagnostics of sperm pathology, monoclonal antibodies against intra-acrosomal proteins can be used for evaluation of the physiological state of sperm cells as well as for selection of a suitable method of fertilization in the laboratories of assisted reproduction.
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	28 kDa

Images



ARG53952 anti-Intra Acrosomal Protein antibody [Hs-14] (FITC) FACS image

Flow Cytometry: Separation of unstained (black) and stained (red) human sperm cells. Cells were stained with ARG53952 anti-Intra Acrosomal Protein antibody [Hs-14] (FITC) at 3 µg/ml dilution.