

ARG63044
anti-Intra Acrosomal Protein antibody [Hs-8]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [Hs-8] recognizes Intra Acrosomal Protein
Tested Reactivity	Hu, Pig
Tested Application	FACS, ICC/IF, WB
Specificity	The clone Hs-8 reacts with intra-acrosomal sperm proteins (220, 50, 34 and 21 kDa), a testis-specific acrosomal vesicle protein 1 associated with the acrosomal membranes and matrix of the mature sperm.
Host	Mouse
Clonality	Monoclonal
Clone	Hs-8
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	Un-conjugated
Alternate Names	D11S4365; Acrosomal vesicle protein 1; SP-10; Acrosomal protein SP-10; SPACA2

Application Instructions

Application table	Application	Dilution
	FACS	3 - 12 µg/ml
	ICC/IF	10 µg/ml
	WB	Assay-dependent
Application Note	ICC/IF: Staining technique: Membrane permeabilization (acetone) is essential. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from ascites by precipitation methods and size-exclusion chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	TBS (pH 8.0) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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: 56 Human Swiss-port # P26436 Human
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