

## ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14]

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [Hs-14] recognizes Intra Acrosomal Protein  |
| Tested Reactivity   | Hu, Ms  |
| Tested Application  | FACS, ICC/IF, WB  |
| 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         | 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. Application note: The clone Hs-14 is designed for quantitative immunofluorescence analysis of pathological sperms (excellent tool for laboratories of assisted reproduction when optimal method of fertilization is sought).<br>* 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.   |

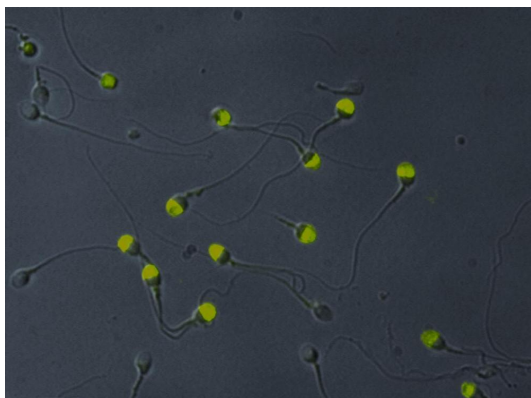
## Bioinformation

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|                |   |
|----------------|---|
| Database links | <a href="#">GeneID: 11451 Mouse</a><br><a href="#">GeneID: 56 Human</a><br><a href="#">Swiss-port # P26436 Human</a><br><a href="#">Swiss-port # P50289 Mouse</a>   |
| 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

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ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14] ICC/IF image

Immunofluorescence: Acetone-permeabilized human sperms sample stained with ARG63043 anti-Intra Acrosomal Protein antibody [Hs-14].