

## 30-1977: FITC Conjugated Anti-VCP Monoclonal Antibody (Clone:Hs-14)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Hs-14
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	FITC
<b>Gene :</b>	VCPKMT
<b>Gene ID :</b>	79609
<b>Uniprot ID :</b>	Q9H867
<b>Alternative Name :</b>	VCPKMT, C14orf138, METTL21D
<b>Isotype :</b>	Mouse IgM
<b>Immunogen Information :</b>	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.

### Description

VCP (valosin-containing protein), also known as p97, TERA, ALS14, IBMPFD, HEL-220, IBMPFD1, or HEL-S-70, is a member of a protein family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. VCP is a structural protein that associates with clathrin and heat-shock protein Hsc70, to form a complex. It has been implicated in a number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation. In sperm this intra-acrosomal protein can be used as a marker 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.

### Product Info

<b>Amount :</b>	50 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

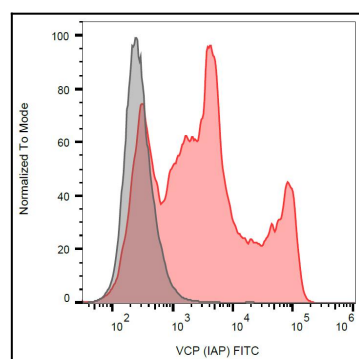


Figure 1: Staining of VCP in acrosomes of human sperms using monoclonal antibody Hs-14 FITC.