

## Datasheet

### TRPV1 monoclonal antibody (M01A), clone 1F5

**Catalog Number:** H00007442-M01A

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant TRPV1.

**Clone Name:** 1F5

**Immunogen:** TRPV1 (NP\_542437, 21 a.a. ~ 124 a.a)  
partial recombinant protein with GST tag. MW of the  
GST tag alone is 26 KDa.

**Sequence:**

CPDPLDGDPNRPPPAKPQLSTAKSRTRLFGKGDSEE  
AFPVDCPHEEGELDSCTITVSPVITIQRPDGPPTGAR  
LLSQDSVAASTEKTLRLYDRRSIFEAVAQ

**Host:** Mouse

**Reactivity:** Human,Rat

**Applications:** ELISA, WB-Re

(See our web site product page for detailed applications  
information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product  
page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In ascites fluid

**Storage Instruction:** Store at -20°C or lower. Aliquot to  
avoid repeated freezing and thawing.

**Entrez GeneID:** 7442

**Gene Symbol:** TRPV1

**Gene Alias:** DKFZp434K0220, VR1

**Gene Summary:** Capsaicin, the main pungent  
ingredient in hot chili peppers, elicits a sensation of  
burning pain by selectively activating sensory neurons  
that convey information about noxious stimuli to the

central nervous system. The protein encoded by this  
gene is a receptor for capsaicin and is a non-selective  
cation channel that is structurally related to members of  
the TRP family of ion channels. This receptor is also  
activated by increases in temperature in the noxious  
range, suggesting that it functions as a transducer of  
painful thermal stimuli in vivo. Four transcript variants  
encoding the same protein, but with different 5' UTR  
sequence, have been described for this gene. [provided  
by RefSeq]