

Certificate of Analysis

Anti-Ubiquitinated Proteins, clone FK1
(mouse monoclonal IgM)
Catalog # 04-262
Lot #

Immunogen: Poly-ubiquitinated-lysozyme.

Specificity: Recognizes only poly-ubiquitinated proteins and not mono-ubiquitinated proteins or free ubiquitin.

Species Cross-reactivity: All Species.

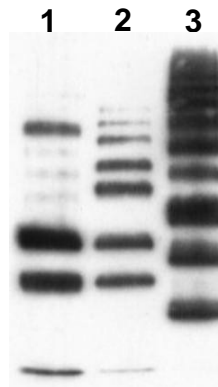
Formulation: 100 μ L of purified immunoglobulin at a concentration of 1mg/mL in PBS containing 0.1% sodium azide. Dilute to working strength with phosphate buffered saline pH 7.2-7.4.

Storage and Stability: Stable for 1 year at 2 - 8°C from date of shipment.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Quality Control Testing

Immunoblot Analysis: Representative lot data. Immunodetection of multi-ubiquitin chains (lane 1– K48-linked chains; lane 2– K29-linked chains; lane 3– K63-linked chains) by western blotting. Probed with ubiquitin antibody 04-262. Antibody dilution 1:1000; ECL procedure.



General References:

1. Fujimuro, M. *et al.* (1994) Production and characterisation of monoclonal antibodies specific to multiubiquitin chains of polyubiquitinated proteins. *FEBS Letts.*, **349**, 173-180.
2. Fujimuro, M. *et al.* (1997) Dynamics of ubiquitin conjugation during heat-shock response revealed by using a monoclonal antibody specific to multi-ubiquitin chains. *Eur. J. Biochem.*, **249**, 427-433.
3. Takada, K. *et al.* (1995) Immunoassay for the quantification of intracellular multiubiquitin chains. *Eur. J. Biochem.*, **233**, 42-47 (1995).
4. Takada, K. *et al.* (1997) Serum concentrations of free ubiquitin and multiubiquitin chains. *Clin. Chem.*, **43**, 1188-1195.
5. Bishop, N. *et al.* (2002) Mammalian class E vps proteins recognize ubiquitin and act in the removal of endosomal protein-ubiquitin conjugates. *J. Cell Biol.*, **157**: 91-101 (2002).
6. Lelouard, H. *et al.* (2002) Transient aggregation of ubiquitinated proteins during dendritic cell maturation. *Nature*. **417**: 177-182.
7. Zaiss, D.M.W. *et al.* (2002) PI31 is a modulator of proteasome formation and antigen processing. *Proc. Natl. Acad. Sci. USA*. **99**: 14344-14349.
8. Haglund, K. *et al.* (2003) Multiple monoubiquitination of RTKs is sufficient for their endocytosis and degradation. *Nature Cell Biology*, **5**: 461-466.

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