TAMRA-K63-linked tetra-ubiquitin (K63-Ub4-TMR)

Cat. # SI6304T

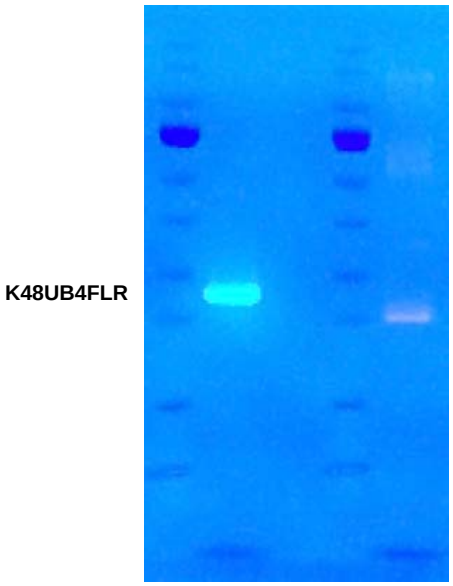
Background: Poly-ubiquitylation of target proteins through K63 has recently become the focus of intense study. Strikingly, the topology of this linkage and its apparent role in cellular processes are quite different from that of K48. Poly-Ub chains of this type appear to play a role in endocytic trafficking, DNA repair, neurodegenration and more.

These tetra-ubiquitin chains are generated from the enzymatic linkage of wild-type ubiquitin through lysine 63. The most distal ubiquitin contains an arginine substitution for a lysine at position 63, limiting chain length. The TAMRA moiety is attached to a single, non-lysine site in the proximal ubiquitin.

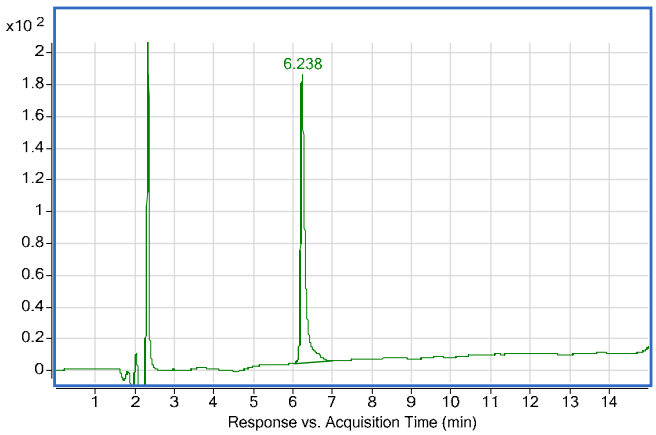
Applications: Optimization of pull-down conditions for anti-K48 TUBE and anti K63-TUBE reagents

Product Information

Purity:	≥ 95% by RP-HPLC
Molecular Weight:	34,802.0 Da
Physical State:	Liquid; 20mM Tris-HCl, pH 7.5, 0.15M NaCl, 10% glycerol
Quantity:	25 µg
Solubility:	>1mg/mL
Storage:	-80° C. Avoid repeated freeze/thaw cycles
Concentration:	Lot dependent, please see Certificate of Analysis or vial label for actual concentration



SDS-Gel, UV translumination



RP-HPLC Profile

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