

Catalog Number: s3tma

## Basic Information

**Catalog Number:**  
s3tma**Applications:**  
IP, Co-IP**Conjugate:**  
Magnetic Agarose beads; ~40 um (cross-linked 6% magnetic agarose beads)**Host:**  
Alpaca**Type:**  
Nanobody**Class:**  
Recombinant

## Description

The ChromoTek SUMO3-Trap Agarose consists of an anti-SUMO3 NANOBODY®/VHH, which is coupled to agarose beads. It can be used for the immunoprecipitation of SUMO3 and SUMO2 proteins from cell extracts of various organisms.

## Specificity/Target

Binds specifically to human SUMO2 and SUMO3 (Small Ubiquitin-like Modifier 2 and 3). The ChromoTek SUMO3-Trap Agarose will immunoprecipitate both monovalent SUMO2/3 and chains formed by the process of SUMOylation. In addition to human SUMO2 und SUMO3, it will also bind to homologs from other mammals.

## Elution buffer

2x SDS-sample buffer (Lämmli), 200 mM glycine pH 2.5

## Affinity ( $K_D$ )

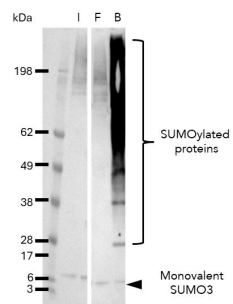
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## Storage

**Storage:**  
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. Do not freeze!

**Storage Buffer:**  
20% ethanol

## Selected Validation Data



The SUMO3-Trap Magnetic Agarose (s3tma) was used to immunoprecipitate endogenous SUMO3ylated and SUMO2ylated proteins from a human cell line. Samples of the input lysate (I), non-bound flow-through (F) and bound (B) fraction were analysed using Western blot. SUMO2/3ylated proteins are highly enriched using the SUMO3-Trap. Data kindly provided by Prof. Alfred Vertegaal, Leiden University, The Netherlands.