
Product Datasheet

Softag 1 Antibody (orb1821647)

Description	Softag 1 Antibody
Species/Host	Mouse
Reactivity	E. coli
Conjugation	Unconjugated
Tested Applications	ELISA, WB
Target	Softag 1
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Note	For research use only
Application notes	<p>This antibody was initially generated for purification of Escherichia coli RNA polymerase because of its ability to release the RNA polymerase in the presence of a low molecular weight polyhydroxylated compound (polyol) and a non-chaotropic salt. Such antibodies were termed as "polyol responsive" MABs. Using NT73 conjugated to Sepharose, highly active RNA polymerase could be prepared rapidly by a single immunoaffinity chromatography step, replacing two lengthy chromatographic steps in the conventional purification procedure. The polyol-responsiveness of the antibody was determined by an ELISA-elution assay (PMID: 1637835). Later on the epitope of the antibody was recognized and found to be a 13-amino-acid sequence 'SLAELLNAGLGGS' which was converted to an epitope tag that can be fused to a protein of interest for use as a purification tag. This epitope tag called 'Softag1' was fused to either the N or the C terminus of the green fluorescent protein. These tagged proteins were expressed in E. coli, and the tagged proteins were purified from the soluble fraction by a single-step immunoaffinity chromatography procedure. This approach extends the powerful technique of gentle-release immunoaffinity chromatography to many expressed proteins (PMID: 14656522). The scFv variants of this antibody loses considerable affinity for its antigen, however it maintains similar polyol-responsiveness as the</p>