

Spot-Label for Western blot & IP, monovalent

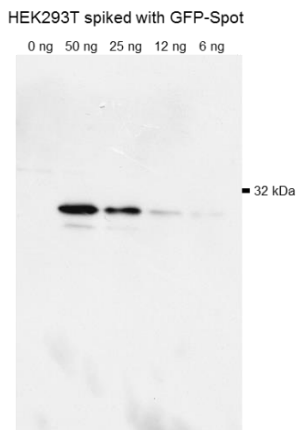
Product code: *etx*

Relevance	The Spot-Tag® is a 12-amino acid epitope tag that is specifically recognized by monovalent Spot-Label, a 14.7 kDa small, high affinity recombinant alpaca antibody fragment. The Spot-Tag system is useful for the purification of Spot-Tag fusion proteins and their analysis using immunoprecipitation, immunofluorescence, and super-resolution microscopy. Spot-Label can be used for Western blot, immunoprecipitation and ELISA analysis of Spot-Tag fusion proteins.
Specificity	This antibody is reactive against the Spot-Tag (PDRVRAVSHWSS).
Description	Recombinant alpaca single-domain antibody, unconjugated, for the analysis of Spot-Tag fusion proteins.
Product Type	Primary antibody
Isotype	V _H H (Nanobody), alpaca monoclonal
Purity	Affinity-purified antibody fragment
Form	Liquid
Storage Buffer	Buffered aqueous solution. Preservative: 0.09% Sodium Azide Safety datasheet (SDS) for this product: Sodium Azide SDS
Concentration	1 g/L
Size	10 µg; 250 µg
Storage instructions	Shipped at +4°C. Store at +4°C. Stable for one year.
Applications	Western blot: recommended starting dilution 1:500, incubate at 2-8 °C overnight; use PBS (or TBS) + 0.075 % Tween-20 as wash buffer ELISA: recommended starting dilution 1:1000 The optimal dilution depends on the application and should be determined by the end user. For a secondary antibody, we recommend the use of anti-Llama IgG antibody, HRP-conjugated (Bethyl Laboratories Inc.; A160-100P).

Tested applications

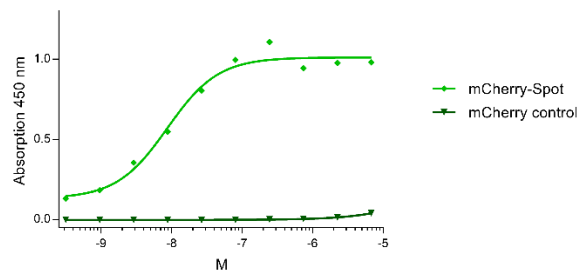
Western Blot

Primary antibody: Spot-Label, monovalent 1:500
Secondary antibody: anti-Llama IgG antibody, HRP-conj. 1:5000



ELISA

Coating: mCherry-Spot and mCherry control (1 µg/well)
Primary antibody: Spot-Label, monovalent 0.3 nM to 7 µM
Secondary antibody: anti-Llama IgG antibody, HRP-conj. 1:2500



Only for research applications, not for diagnostic or therapeutic use.