**BACKGROUND**

6x-His tags are a type of tag for expressed proteins. This tag is made up of 6 histidine residues attached to either the N- or C-terminal of a protein. Proteins expressed with this type of tag are then traditionally purified using a divalent metal ion column. However, using an antibody specific to this 6x-His tag, the protein can be analyzed for by Western blot or immunofluorescence techniques, thus eliminating the need for a protein-specific antibody. 6x-His tags are particularly effective for the purification of protein expressed in E. coli systems. This antibody has been found to be effective in detecting proteins expressed using the following vector systems, pET 28, 30 and 32 as well as Invitrogen’s pIZ and is specific for 6x-His tags only.

**IMMUNOGEN**

Hybridoma produced by the fusion of splenocytes from mice immunized with His-His-His-His-His-His synthetic peptide and mouse myeloma cells.
Detects only 6x-His tag by Western blot. Specific for His tags no longer than 6 histidines. Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**


3. Hosfield, T. and Lu, Q. S. pombe expression vector with 6x(His) tag for protein purification and potential for ligation-independent cloning. Biotechniques 1999, 27, 50-60

**PRODUCT SPECIFIC REFERENCES**