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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

6x-His Tag. Mouse Monoclonal Antibody
Anti-6x-Histidine Tag Antibody

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 pTZ and is specific for 6x-His tags only.

ORDERING INFORMATION

CATALOG NUMBER

X1181M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone 2C5.1

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2a

APPLICATIONS

Western Blot

SPECIES REACTIVITY

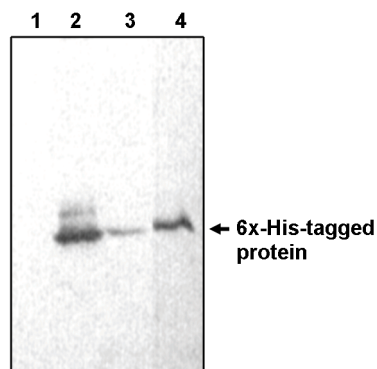
N/A

ACCESSION NUMBER

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with His-His-His-His-His-His synthetic peptide and mouse myeloma cells.

Western blot of His tagged protein (vector pET 30C) using Exalalpha's anti-6x His antibody. (1) Whole cellular extract of BL21 (DE3) pJT4pTT9 bacteria carrying gene encoding for His-Rel E protein (uninduced), (2) Induced, (3) Induced (1/2 dilution), (4) Purified His-Rel E protein (~17 kDa).



POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

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 -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Zentgraf, H., et al. Detection of histidine-tagged fusion proteins by using a high-specific mouse monoclonal anti-histidine tag antibody. *Nucleic Acids Res.* 1995, 23, 3347-3348
2. Sisk, W.P., et al. High-level expression and purification of secreted forms of herpes simplex virus type 1 glycoprotein gD synthesized by baculovirus-infected insect cells. *J. Virol.* 1994, 68, 766-775
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