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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-N-ethylmaleimide cysteine [OX-133] Standard Size Ab00579-1.1

Isotype and Format: Mouse IgG1, Lambda

Clone Number: OX-133

Alternative Name(s) of Target: NEM cysteine; OX133

UniProt Accession Number of Target Protein:

Published Application(s): IP, ELISA, FC

Published Species Reactivity: Species independent

Immunogen: Purified MBP-gp120 (HIV-1) reduced using tris(2-carboxyethyl)phosphine (TCEP, 2.5 mM) for 20 minutes and alkylated using NEM (5 mM solubilized in PBS) for 30 minutes.

Specificity: This antibody recognises cysteine-bound N-ethylmaleimide in a sequence-independent manner. It has no affinity for unmodified peptides or peptides modified with other alkylating agents such as iodoacetamide.

Application Notes: OX133 detects NEM-modified proteins and can be used as an affinity matrix to purify NEM-modified proteins from cell lysates. OX133 does not cross react with any other alkylating agent, making it a highly selective reagent for the purification of NEM-labeled proteins and potentially peptides for mass spectrometry-based analysis.

Antibody First Published in: Holbrook et al. OX133, a monoclonal antibody recognizing protein-bound N-ethylmaleimide for the identification of reduced disulfide bonds in proteins MABs. 2016 May-Jun;8(4):672-7
[PMID:26986548](#)

Note on publication: Describes the generation and characterisation of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.