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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-organophosphate [12C2] Standard Size Ab04226-30.11

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: 12C2

Alternative Name(s) of Target: phosphate esters; OPEs; O,O-diethyl organophosphorus pesticides; O,O-diethyl OPs

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Specie independent

Immunogen: The original antibody was generated by immunizing mice with 4-(diethoxyphosphorothioxy)benzoic acid.

Specificity: The antibody is specific for organophosphate.

Application Notes: The specificity of the original format of the antibody was confirmed by competitive indirect ELISA analysis (Xu et al. 2010; PMID: 20958019). The original format of the antibody was linked to alkaline phosphatase (scFv-AP) and employed to develop a competitive direct enzyme-linked immunosorbent assay (cdELISA) for O,O-diethyl OPs in environmental and agricultural samples (Xu et al. 2012; PMID: 22533788).

Antibody First Published in: Xu et al. Broad-specificity immunoassay for O,O-diethyl organophosphorus pesticides: application of molecular modeling to improve assay sensitivity and study antibody recognition *Anal Chem.* 2010 Nov 15;82(22):9314-21. doi: 10.1021/ac1018414. Epub 2010 Oct 19. [PMID:20958019](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.