RANDOX
BIOSCIENCES
Discovery | Drug Development | Diagnostics

Anti-Programmed Cell Death Protein 1 (PD1) Recombinant Antibody Fragments

Target:	Anti-Programmed Cell Death Protein 1 (PD1)
Clone Name:	4H11
Catalogue Number:	RAF9751
Description:	Recombinant single domain antibody fragments (sdAb)[1] obtained from Alpaca and expressed in an E. Coli to bind against Programmed Cell Death Protein 1 (PD1) antigen.
Activity/ Specificity:	Tested positive against PD1 antigen. Cross-reactivity checked against a panel of known cross-reactants and non-specific antigens.
Applications:	These fragments contain His and c-Myc fusion tags which may be used for detection or immobilisation.[2] Recombinant antibody fragments are suitable for use in ELISA immunoassays, biosensor applications, western blots, immunohistochemistry, flow cytometry, immunoaffinity purification and most other immunological methods*.
Size:	Approximately 18 kDa
Quantity:	1 mg
Concentration:	Typically >1mg/ml
Purity:	>90% assessed by SDS-PAGE.
Storage:	These fragments are stable at 4°C. It is recommended that for storage over extended periods they are kept at –20°C and should not be subject to repeated freeze-thaw cycles.
Buffer:	1x PBS containing 0.09% sodium azide preservative.
Dilution Factor:	To be determined by end-user.

* This product as supplied is intended for research applications only. It is not for use in therapeutic or diagnostic applications without the expressed written authorization of Randox Life Sciences.

References:

1. Hassanzadeh-Ghassabeh, G., Devoogdt, N., De Pauw, P., Vincke, C. and Muyldermans, S., 2013. Nanobodies and their potential applications. *Nanomedicine*, 8(6), pp.1013-1026.
2. Terpe, K. (2003) Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems. *Applied Microbiol Biotechnol.* 60(5):523-33.