

Anti-Cancer Antigen 15-3 (CA15-3/mucin 1) Recombinant Antibody Fragments

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| Target: | Anti-Cancer Antigen 15-3 (CA15-3/mucin 1) |
| Clone name: | CA153.1 |
| Catalogue Number: | RAF9551 |
| Description: | Recombinant single-chain variable fragment (scFv) ¹ obtained from Sheep and expressed in an E. Coli to bind against human Cancer Antigen 15-3 (CA15-3) antigen. |
| Activity/ Specificity: | Tested positive against native human CA15-3 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 35 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. Weisser NE, Hall JC. (2009) Applications of single-chain variable fragment antibodies in therapeutics and diagnostics. *Biotechnol Adv.* 27(4): 502-520.
2. Terpe, K. (2003) Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems. *Applied Microbiol Biotechnol.* 60(5):523-33.