AFXXX and ACXXX(Antibody identifiers from ABCD database, e.g. AG513) antibodies recognize (name of the target) by flow cytometry

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Abstract

The recombinant antibodies AFXXX and ACXXX (ABCD identifiers of the antibodies) detect by flow cytometry (name of the target).

Introduction (3-15 lines)

Short description of the target. When available, please specify an identifier for the target (e.g. UniProt #P06213). Here, we describe the ability of (ABCD identifiers of the antibodies) to detect (name of the target) by flow cytometry.

Materials & Methods

**Antibodies:** ABCD\_AFXXX and ABCD\_ACXXX, antibodies (ABCD nomenclature, <http://web.expasy.org/abcd/>) were produced by the Geneva Antibody Facility (<http://unige.ch/medecine/antibodies/>) and produced as minibodies/nanobodies with the antigen-binding scFv (or VHH in the case of nanobodies) portion fused to a rabbit IgG Fc. The synthesized scFv sequences (GeneArt, Invitrogen) correspond to the sequences of the variable regions joined by a peptide linker (GGGGS)3 . HEK293 suspension cells growing in HEK TF medium (Xell #861-0001, Sartorius), supplemented with 0.1% Pluronic F68 (Sigma #P1300), were transiently transfected with the vector coding for the VHH/scFv-Fc of each antibody. Supernatants (~50-80 mg/L) were collected after 4 days.

**Antigen (3-5 lines):** Description of the antigen used (endogenous protein, transfected cells, …)

**Protocol:** The whole procedure was carried out at 4°C. 500’000 transfected cells were pelleted and washed once with washing buffer (PBS + 0,2% BSA (w/v)). Cells were then incubated for 20 minutes with either the positive control (dilution 1:2 in PBS-BSA) or with the tested antibody (5 mg/L). After two washes in washing buffer, cells were incubated for 20 minutes with either secondary goat anti-mouse or anti-rabbit IgG conjugated to Alexa Fluor 488 (1/400) (Molecular Probes #A11029 and #A11034 respectively). After two washes in washing buffer, cells were resuspended in 500 µL of washing buffer and analyzed with a flow cytometer.

Results & Discussion

Antibodies AFXXX and ACXXX detect (name of the target) in (cell type). No signal was observed in the negative control (Fig. 1).

Insert figure (jpeg, png, 300 dpi ; 80 mm-wide, fonts and style: Arial 10 points)

**Fig. 1.** Specific binding of antibodies to (name of the target), as detected by flow cytometry. Short description of the figure.

References

Add any needed references in the APA format

Ex:

Rougeaux H, Kervarec N, Pichon R, Guezennec J. Structure of the exopolysaccharide of *Vibrio diabolicus* isolated from a deep-sea hydrothermal vent. Carbohydr Res. 1999 Nov 23;322(1-2):40-5. PMID: 10629947.

Conflict of interest

The authors declare no conflict of interest.

**Data Availability Statement**

The data that support the findings of this study are available from the corresponding author upon reasonable request.