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Use of camel single-domain antibodies for the diagnosis and treatment of zoonotic diseases

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Highlights

- VHHs provide many advantages over complete IgG in diagnostics and therapy.
- Toxins and viruses are more efficiently neutralized by multivalent VHHs.
- Camelids could be a source of broadly neutralizing antibodies (bNAbs) to treat zoonotic diseases.

Abstract

Camelids produce both conventional heterotetrameric antibodies and homodimeric heavy-chain only antibodies. The antigen-binding region of such homodimeric heavy-chain only antibodies consists of one single domain, called VHH. VHHs provide many advantages over conventional

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