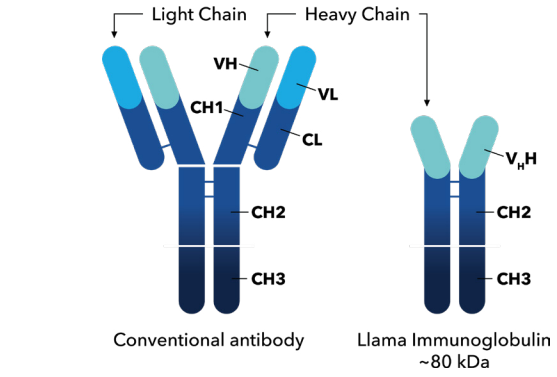
bio-techne®

LLAMABODY™ Camelid Antibodies from Bio-Techne

Camelid antibodies are used in many forms of research including studying protein structure, high resolution imaging applications, drug delivery, as well as detection and neutralization of viruses.

The LLAMABODY™ Advantage

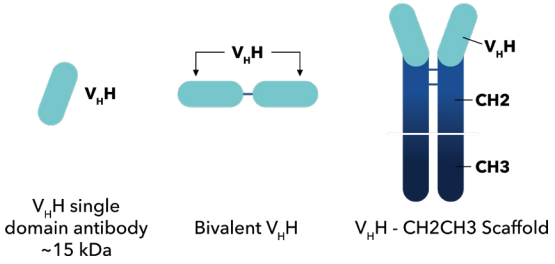
- Smaller size can access hard to reach epitopes compared to conventional antibodies
- Penetrate tissue and enter cells easier for more sensitive staining
- Better stability in a wide range of pH and temperatures



What We Offer

At R&D Systems, we apply recombinant antibody expertise to engineer multiple forms of LlaMABody™-camelid antibodies. Our catalog includes:

- Native llama heavy chain IgG antibodies
- V_HH single domain antibodies containing a His-tag for convenient detection
- Bivalent V_HH domains on a human IgG scaffold



R&D Systems Custom Recombinant Antibody Services

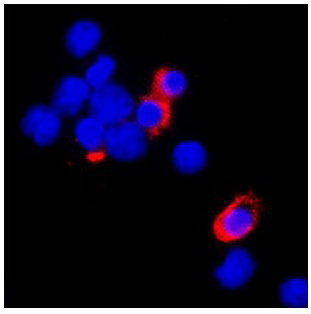
We have optimized a modular platform for custom recombinant antibody development and are able to provide additional LlaMABody™ products to meet your unique research needs. Leverage the experience and expertise of our custom antibody development scientists for your project.

Contact us here or Email sales@bio-techne.com to request a quote.

LLAMABODY™ - Camelid Antibodies Available

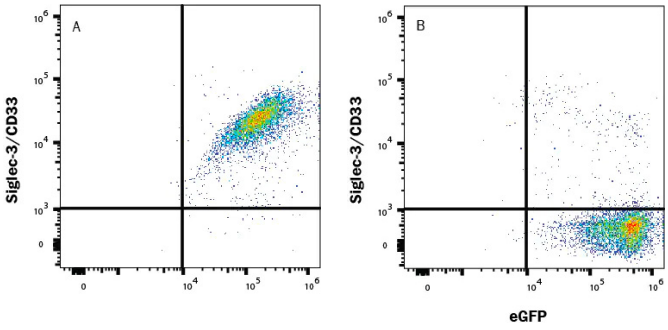
ANTIBODY	CLONE	CATALOG #	APPLICATION
SARS-CoV-2 Spike RBD LlaMABody™ V_HH His-tag Antibody	L009.1.32N	LMAB10869	Blocking/Neutralizing
SARS-CoV-2 Spike RBD LlaMABody™ V_HH His-tag Antibody	L009.2.69N	LMAB12503	Blocking/Neutralizing
Human Siglec-2/CD22 LlaMABody™ V_HH His-tag Antibody	L007.2.5N	LMAB10732	Flow Cytometry
Human Siglec-3/CD33 LlaMABody™ V_HH His-tag Antibody	L008.2.14N	LMAB10733	Flow Cytometry
Human Siglec-3/CD33 LlaMABody™ V_HH His-tag Antibody	L008.2.25N	LMAB10740	Flow Cytometry
Human Siglec-3/CD33 LlaMABody™ V_HH His-tag Antibody	L008.3.28N	LMAB10752	Flow Cytometry
Human Siglec-3/CD33 LlaMABody™ V_HH His-tag Antibody	L008.3.25N	LMAB10753	Flow Cytometry
Human Siglec-3/CD33 LlaMABody™ Bivalent V_HH HuIgG2 Fusion Antibody	L008.2.25H	LMAB10888	Flow Cytometry
Human Siglec-2/CD22 LlaMABody™ Bivalent V_HH HuIgG2 Fusion Antibody	L007.2.5H	LMAB107321	Immunocytochemistry
SARS-CoV-2 Spike RBD LlaMABody™ Bivalent V_HH HuIgG2 Fusion Antibody	L009.2.69H	LMAB10870	Blocking/Neutralizing
SARS-CoV-2 Spike RBD LlaMABody™ Bivalent V_HH HuIgG2 Fusion Antibody	L009.1.32H	LMAB10731	Blocking/Neutralizing
Human ST2/IL-33R LlaMABody™ Bivalent V_HH HuIgG2 Fusion Antibody	L000.2.694H	LMAB108591	Immunocytochemistry
Human Siglec-3/CD33 LlaMABody™ Bivalent V_HH Llama IgG2 Fusion Antibody	L008.2.25LL	LMAB10902	Flow Cytometry

Data Examples



Siglec 2/CD22 in Human PBMCs

Siglec 2/CD22 was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using Llama Anti-Human Siglec 2/CD22 LlaMABody™ Bivalent V_HH HuIgG2 Fusion Monoclonal Antibody (Catalog # LMAB107321) at 8 µg/mL for 3 hours at room temperature. Cells were stained using Anti-alpaca Alexa Fluor 594 (red) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. Staining was performed using our protocol for Fluorescent ICC Staining of Non-adherent Cells.



Detection of Siglec-3/CD33 in HEK293 Human Cell Line Transfected with Human Siglec-3/CD33 and eGFP by Flow Cytometry

HEK293 human embryonic kidney cell line transfected with either (A) human Siglec-3/CD33 or (B) irrelevant protein and eGFP was stained with Llama Anti-Human Siglec-3/CD33 Llamabody V_HH His-tag Monoclonal Antibody (Catalog # LMAB10752) followed by Allophycocyanin-conjugated Anti-His Antibody (IC050A). View our protocol for Staining Membrane-associated Proteins.

Have a target of interest? Contact us here to provide your input on what LlaMABody™ products we release next.

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Contact Us