Veterinary Monoclonal Antibodies

Product range and technical data
Introducing Veterinary Monoclonal Antibodies

- **Infectious diseases** including:
  - Avian Influenza
  - Canine Distemper
  - *Giardia*
  - *Brucella*

- **Animal diseases** including:
  - Feline Leukemia

- **Animal antibiotics** including:
  - Enrofloxacin

- **Controls and tags** including:
  - Swine, chicken and goat IgG’s
  - Chicken IgY
  - GST tag

“Save time and money by selecting from our recommended matched pairs tested in lateral flow.”

![Image of a scientist working with samples]
# A Diverse Product Range

<table>
<thead>
<tr>
<th>Marker</th>
<th>Capture Antibody</th>
<th>Detection Antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDV (Canine Distemper Virus) Antibody</td>
<td>BM417-D1A6</td>
<td>BM417-D1A6</td>
</tr>
<tr>
<td>Avian Influenza Virus H5 Antibody</td>
<td>BM422-Z3D1</td>
<td>BM422-P6H1</td>
</tr>
<tr>
<td>FeLV Antibody</td>
<td>BM419-E7A5</td>
<td>BM419-O6H1</td>
</tr>
<tr>
<td>Brucella LPS Antibody</td>
<td>BM420-G9E1</td>
<td>BM420-M9D1</td>
</tr>
<tr>
<td>Giardia Antibody</td>
<td>BM423-V5C5</td>
<td>BM423-V5C5</td>
</tr>
<tr>
<td>Enrofloxacin Antibody</td>
<td>BM427-Z6C6</td>
<td>BM427-Z6C6</td>
</tr>
<tr>
<td>Anti-Goat IgG Antibody</td>
<td>BM418-G7B1 or BM418-K5D1</td>
<td>BM418-G7B1 or BM418-K5D1</td>
</tr>
<tr>
<td>Anti-Canine IgM Antibody</td>
<td>BM424-S6B1 BM424-T7H1</td>
<td>BM424-T7H1 BM424-S6B1</td>
</tr>
<tr>
<td>Anti-Swine IgG Antibody</td>
<td></td>
<td>BM425-S6H4</td>
</tr>
<tr>
<td>Anti-Chicken IgY Antibody</td>
<td>BM421-P5G5 or BM421-M6B6</td>
<td>BM421-M6B6 or BM421-P5G5</td>
</tr>
<tr>
<td>GST (Glutathione S-transferase) Antibody</td>
<td></td>
<td>BM426-H9E9</td>
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Technical Data: CDV (Canine Distemper Virus) Antibody

CDV is a viral disease affecting animals such as dogs, ferrets and raccoons which is fatal in 50% of cases.

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<td>BM417-D1A6</td>
<td>Antibody A BM417-D1A6</td>
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</table>

BM417-D1A6 can be utilised as a capture or detection antibody in lateral flow.

Proven performance in Lateral Flow

- Lane 1 - Commercially-used CDV pair (Antibody A & B)
- Lane 2 - Negative sample
- Lane 3 - Antibody A as capture, BM417-D1A6 as detection
- Lane 4 - Negative sample
- Lane 5 - BM417-D1A6 as capture, Antibody A as detection
- Lane 6 – Negative sample

Images have not been altered for brightness or contrast.
Technical Data:
Avian Influenza Virus H5 Strain Antibody

The H5 strain of Avian Influenza is currently prevalent in Europe and Asia, where there are 9 known subtypes.

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<td>BM422-Z3D1</td>
<td>BM422-P6H1</td>
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Proven performance in lateral flow

- The image shows BM422-Z3D1 as capture antibody and BM422-P6H1 as detection antibody in a sandwich assay format.
- This antibody pair is able to **detect all H5 subtypes** of Avian Influenza Virus.
- Lane 1 – Cultured Avian Influenza Virus
- Lane 2 – Buffer only

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Technical Data: Brucella LPS Antibody

The Brucella bacteria is responsible for a number of diseases affecting cattle, sheep, pigs and dogs including Bangs disease and spontaneous abortion.

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<td>Brucella LPS</td>
<td>BM420-G9E1</td>
<td>BM420-M9D1</td>
</tr>
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Proven performance in Lateral Flow

- The image shows BM420-G9E1 as a capture antibody and BM420-M9D1 as a detection antibody used in a sandwich assay format.
- Lane 1 – Purified Brucella LPS (1µg/mL)
- Lane 2 – Buffer only

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Technical Data:

**Giardia Antibody**

*Giardia* is a parasite of the intestine affecting both domestic and wild animals along with humans.

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<td>Giardia</td>
<td>BM423-V5C5</td>
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Proven performance in Lateral Flow

- The image shows BM423-V5C5 used as both a capture and detection antibody to detect *Giardia* in a sample from an infected dog.
- The antibody is self-pairing.
- Lane 1 – Giardia-infected dog stool sample
- Lane 2 – Buffer only
Technical Data: Enrofloxacin Antibody

BM427-Z6C6 is suitable for competitive assays. In this instance, the antibody is immobilised on nitrocellulose, and captures labelled/unlabelled Enrofloxacin.

Proven performance as a competitive assay antibody

- The image shows the antibody immobilised onto nitrocellulose, to which gold-conjugated Enrofloxacin was added.
- In the positive sample (Lane 1) containing excess Enrofloxacin, the antibody could not bind gold-conjugated Enrofloxacin due to competition from the excess Enrofloxacin. Therefore there was no signal.
- When no Enrofloxacin was added (Lane 2) the gold conjugated Enrofloxacin was able to bind the antibody.
## Technical Data:
### Anti-Goat IgG Antibody

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<tr>
<td>Anti-Goat IgG</td>
<td>BM418-G7B1</td>
<td>Polyclonal Goat IgG</td>
</tr>
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<td>Polyclonal Goat IgG</td>
<td>BM418-K5D1</td>
<td></td>
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BM418-G7B1 immobilised onto nitrocellulose as a **capture antibody**, binding gold conjugated polyclonal goat IgG.

Polyclonal goat IgG was immobilised onto nitrocellulose and bound by conjugated BM418-G7B1 as a **detection antibody**.

BM418-K5D1 immobilised onto nitrocellulose as a **capture antibody**, binding gold conjugated polyclonal goat IgG.

Polyclonal goat IgG was immobilised onto nitrocellulose and bound by conjugated BM418-K5D1 as a **detection antibody**.

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# Technical Data:
## Anti-Canine IgM Antibody

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**Proven performance in lateral flow**

- Image 1 shows BM424-S6B1 as a capture antibody and BM424-T7H1 as a detection antibody in a sandwich assay format.
- Image 2 shows BM424-T7H1 as a capture antibody and BM424-S6B1 as a detection antibody in a sandwich assay format.
- These antibodies are **specific for IgM**, and do not detect IgG.
- Lane 1 - Canine IgM purified from canine serum
- Lane 2 - Canine IgG purified from canine serum

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Technical Data:
Anti-Swine IgG Antibody

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- Gold-conjugated anti-swine IgG antibody BM425-S6H4 was tested against a selection of immobilised animal IgGs.
- It detected Swine IgG, Canine IgG and Human IgG.

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Technical Data: Anti-Chicken IgY Antibody

Anti-Chicken IgY can be used as a control line in human based diagnostic assays.

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Highly specific for IgY

- The image shows BM421-M6B6 immobilised onto nitrocellulose.
- Purified IgY or IgG from the serum of a variety of animals was added, and conjugated BM421-P5G5 used as a detection antibody.
- A signal was gained for IgY but not IgG.
- The antibody pair can be used in either orientation.
Technical Data:
GST (Glutathione S-transferase) Antibody

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Proven performance in lateral flow

The image show that gold-conjugated BM426-H9E9 detects immobilised recombinant GST protein on nitrocellulose.
How to Order

To place an order, please get in touch using the details below, quoting code VETAB:

- info@bbisolutions.com
- USA: 1-800-423-8199
- International: +44 (0)2920 767 499

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