

## Datasheet: AAI22F

|                      |                             |
|----------------------|-----------------------------|
| <b>Description:</b>  | SHEEP ANTI BOVINE IgG2:FITC |
| <b>Specificity:</b>  | IgG2                        |
| <b>Format:</b>       | FITC                        |
| <b>Product Type:</b> | Polyclonal Antibody         |
| <b>Isotype:</b>      | Polyclonal IgG              |
| <b>Quantity:</b>     | 1 mg                        |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             | ▪   |    |                | 1/20 - 1/100       |
| Immunohistology - Frozen   | ▪   |    |                | 1/20 - 1/100       |
| Immunohistology - Paraffin |     |    | ▪              |                    |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

|                       |   |                            |                          |
|-----------------------|---|----------------------------|--------------------------|
| <b>Target Species</b> | Bovine  |                            |                          |
| <b>Product Form</b>   | Purified IgG fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid |                            |                          |
| <b>Max Ex/Em</b>      | <b>Fluorophore</b>  | <b>Excitation Max (nm)</b> | <b>Emission Max (nm)</b> |
|                       | FITC  | 490                        | 525                      |

**Antiserum Preparation** Antisera to bovine IgG2 were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

**Immunogen** Purified bovine IgG2.

**Specificity** **Sheep anti Bovine IgG2 polyclonal antibody** recognizes bovine IgG2.

No cross - reactivity with other bovine immunoglobulin classes is seen in immunoelectrophoresis. This product may cross-react with IgG2 from other species.

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**References**

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11. Maree, F.F. *et al.* (2015) Intra-serotype SAT2 chimeric foot-and-mouth disease vaccine protects cattle against FMDV challenge. [Vaccine. 33 \(25\): 2909-16.](#)
12. Rybarczyk, J. *et al.* (2015) Effects of lactoferrin treatment on *Escherichia coli* O157:H7 rectal colonization in cattle. [Vet Microbiol. pii: S0378-1135\(15\)30119-X. \[Epub ahead of print\]](#)
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14. Pecora, A. *et al.* (2015) Development of an APC-targeted multivalent E2-based vaccine against Bovine Viral Diarrhea Virus types 1 and 2. [Vaccine. 33 \(39\): 5163-71.](#)
15. Scott, K.A. *et al.* (2017) Evaluation of immune responses of stabilised SAT2 antigens of foot-and-mouth disease in cattle. [Vaccine. Apr 18 \[Epub ahead of print\].](#)

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

12 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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