

Datasheet: 3210-0488

**BATCH NUMBER 171281**

<b>Description:</b>	SHEEP ANTI DIGOXIGENIN
<b>Specificity:</b>	DIGOXIGENIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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
Immunohistology - Frozen	▪			
ELISA	▪			1/100 - 1/5,000
Western Blotting	▪			
Immunofluorescence	▪			

Where this product 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 product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Chemical
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by Protein G affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	5 mg/ml
<b>Immunogen</b>	Digoxin-3-CM conjugated to keyhole limpet haemocyanin.

**Specificity** **Sheep anti digoxigenin antibody** recognizes digoxigenin, a steroid found in plants that is often attached to oligonucleotides and used as a molecular probe to detect mRNA production.

This antibody cross reacts with digoxin and digitoxin. Negligible reactivity has been observed with ouabain.

#### References

1. Mori, K. *et al.* (2007) The perivascular space as a path of hematopoietic progenitor cells and mature T cells between the blood circulation and the thymic parenchyma. [Int. Immunol. 19: 745-53.](#)
2. Hu, W.W. *et al.* (2009) Digoxigenin modification of adenovirus to spatially control gene delivery from chitosan surfaces. [J Control Release. 135 \(3\): 250-8.](#)
3. Cross, S.J. *et al.* (2016) Transverse Magnetic Tweezers Allowing Coincident Epifluorescence Microscopy on Horizontally Extended DNA. [Methods Mol Biol. 1431: 73-90.](#)
4. Toleikis, A. *et al.* (2018) oriD structure controls RepD initiation during rolling-circle replication [Sci Rep. 8: 1206.](#)
5. Klebes, A. *et al.* (2021) Multianalyte lateral flow immunoassay for simultaneous detection of protein-based inflammation biomarkers and pathogen DNA [Sensors and Actuators B: Chemical. : 131283.](#)
6. Brunauer, A. *et al.* (2021) Rapid Detection of Pathogens in Wound Exudate via Nucleic Acid Lateral Flow Immunoassay. [Biosensors \(Basel\). 11\(3\):74.](#)

#### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

#### Guarantee

12 months from date of despatch

#### Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/3210-0488>

#### Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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