

## Datasheet: STAR88F

<b>Description:</b>	DONKEY ANTI SHEEP/GOAT IgG:FITC
<b>Specificity:</b>	IgG
<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			▪	
Immunohistology - Frozen	▪			1/100 - 1/200
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 appropriate negative/positive controls.

<b>Target Species</b>	Sheep		
<b>Species Cross Reactivity</b>	Reacts with: Goat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.		
<b>Product Form</b>	Purified IgG 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 sheep IgG were raised by repeated immunisation of donkeys with highly purified antigen. Purified IgG was prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified IgG from a sheep serum pool.

<b>Specificity</b>	<b>Donkey anti Sheep/Goat IgG antibody</b> recognizes both sheep and goat IgG, which are immunologically very similar and has been adsorbed against human, rabbit, mouse and rat serum to minimise cross-reactivity.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Singh, M. <i>et al.</i> (1999) A recombinant measles virus expressing hepatitis B virus surface antigen induces humoral immune responses in genetically modified mice. <a href="#">J Virol. 73 (6): 4823-8.</a></li> <li>2. Tedla, N. <i>et al.</i> (1998) Regulation of T lymphocyte trafficking into lymph nodes during an immune response by the chemokines macrophage inflammatory protein (MIP)-1 alpha and MIP-1 beta. <a href="#">J Immunol. 161 (10): 5663-72.</a></li> <li>3. Turner J <i>et al.</i> (2002) <i>In vivo</i> IL-10 production reactivates chronic pulmonary tuberculosis in C57BL/6 mice. <a href="#">J Immunol. 169 (11): 6343-51.</a></li> <li>4. Singh, S.K. <i>et al.</i> (2010) Melanin transfer in human skin cells is mediated by filopodia--a model for homotypic and heterotypic lysosome-related organelle transfer. <a href="#">FASEB J. 24: 3756-69.</a></li> <li>5. Yekta, M.A. <i>et al.</i> (2011) Immunization of sheep with a combination of intiminy, EspA and EspB decreases Escherichia coli O157:H7 shedding. <a href="#">Vet Immunol Immunopathol. 140 (1-2): 42-6.</a></li> <li>6. Guitton, C. <i>et al.</i> (2011) Protective cross talk between activated protein C and TNF signaling in vascular endothelial cells: implication of EPCR, noncanonical NF-<math>\kappa</math>B, and ERK1/2 MAP kinases. <a href="#">Am J Physiol Cell Physiol. 300: C833-42.</a></li> <li>7. Clinton, S.R. <i>et al.</i> (2010) Binding and activation of host plasminogen on the surface of <i>Francisella tularensis</i>. <a href="#">BMC Microbiol. 10: 76.</a></li> <li>8. Chimote, A.A. <i>et al.</i> (2012) Disruption of kv1.3 channel forward vesicular trafficking by hypoxia in human T lymphocytes. <a href="#">J Biol Chem. 287: 2055-67.</a></li> <li>9. Junqueira-Kipnis, A.P. <i>et al.</i> (2005) Interleukin-10 production by lung macrophages in CBA xid mutant mice infected with <i>Mycobacterium tuberculosis</i>. <a href="#">Immunology. 115: 246-52.</a></li> <li>10. Nicol, M.Q. <i>et al.</i> (2012) A novel family of peptides with potent activity against influenza A viruses. <a href="#">J Gen Virol. 93: 980-6.</a></li> <li>11. Singh B <i>et al.</i> (2015) <i>Moraxella catarrhalis</i> Binds Plasminogen To Evade Host Innate Immunity. <a href="#">Infect Immun. 83 (9): 3458-69.</a></li> <li>12. Al-Jubair, T. <i>et al.</i> (2015) <i>Haemophilus influenzae</i> Type f Hijacks Vitronectin Using Protein H To Resist Host Innate Immunity and Adhere to Pulmonary Epithelial Cells. <a href="#">J Immunol. 195 (12): 5688-95.</a></li> <li>13. McNeilly, T.N. <i>et al.</i> (2013) Suppression of ovine lymphocyte activation by <i>Teladorsagia circumcincta</i> larval excretory-secretory products. <a href="#">Vet Res. 44: 70.</a></li> <li>14. Garza, J.J. <i>et al.</i> (2017) Serum-mediated <i>Haemonchus contortus</i> larval aggregation differs by larval stage and is enhanced by complement. <a href="#">Parasite Immunol. 39 (3)</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide** Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739  
Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)  
'M318902:180719'

**Europe** Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50  
Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

**Printed on 01 Aug 2018**

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)