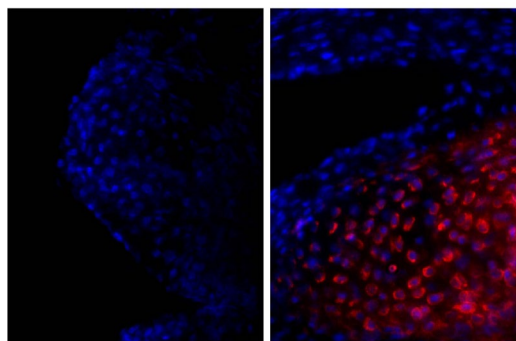


## Donkey Anti-Goat IgG(H+L), Mouse/Rat SP ads

Cat. No.	Format	Size
6420-01	Purified (UNLB)	1.0 mg
6420-02	Fluorescein (FITC)	1.0 mg
6420-04	Alkaline Phosphatase (AP)	1.0 mL
6420-05	Horseradish Peroxidase (HRP)	1.0 mL
6420-08	Biotin (BIOT)	1.0 mg
6420-09	R-phycoerythrin (PE)	0.5 mg
6420-15	Cyanine 5 (CY5)	1.0 mg
6420-30	Alexa Fluor® 488 (AF488)	1.0 mg
6420-31	Alexa Fluor® 647 (AF647)	1.0 mg
6420-32	Alexa Fluor® 555 (AF555)	1.0 mg



Frozen newborn mouse cartilage section was stained with Goat Anti-Type II Collagen-UNLB (SB Cat. No. 1320-01; right) followed by Donkey Anti-Goat IgG(H+L), Mouse/Rat SP ads-AF555 (SB Cat. No. 6420-32) and DAPI.

### Description

<b>Specificity</b>	Reacts with the heavy and light chains of goat IgG
<b>Source</b>	Pooled antisera from donkeys hyperimmunized with goat IgG
<b>Cross Adsorption</b>	Mouse and rat serum proteins (SP); may react with immunoglobulins from other species and the light chains of other goat immunoglobulins
<b>Purification</b>	Affinity chromatography on goat IgG covalently linked to agarose

### Applications

Quality tested applications include –

ELISA <sup>1</sup>  
FLISA

Other referenced applications include –

FC <sup>2,3</sup>  
IHC-FS <sup>4</sup>  
IHC-PS <sup>11</sup>  
WB <sup>5-9</sup>  
Multiplex <sup>10</sup>

### Working Dilutions

<b>ELISA</b>	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
<b>FLISA</b>	FITC, AF488, and AF555 conjugates	1:100 – 1:400
	PE, CY5, and AF647 conjugates	≤ 1 µg/mL
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

---

- The purified (UNLB) antibody is supplied as 1.0 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) and CY5 conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

---

Some reagents contain sodium azide. Please refer to product specific SDS.

## References

---

1. Migliore MM, Ortiz R, Dye S, Campbell RB, Amiji MM, Waszczak BL. Neurotrophic and neuroprotective efficacy of intranasal GDNF in a rat model of Parkinson's disease. *Neuroscience*. 2014;274:11-23. (ELISA)
2. Rasche SS, Phillips M, McInerney MF, Sercarz EE, Quinn A. IL-13R $\alpha$ 1 expression on  $\beta$ -cell-specific T cells in NOD mice. *Diabetes*. 2011;60:1716-25. (FC)
3. Biedroń R, Konopiński MK, Marcinkiewicz J, Józefowski S. Oxidation by neutrophils-derived HOCl increases immunogenicity of proteins by converting them into ligands of several endocytic receptors involved in antigen uptake by dendritic cells and macrophages. *PLoS One*. 2015;10(4):e0123293. (FC)
4. Xia RH, Yosef N, Ubogu EE. Selective expression and cellular localization of pro-inflammatory chemokine ligand/receptor pairs in the sciatic nerves of a severe murine experimental autoimmune neuritis model of Guillain-Barré syndrome. *Neuropathol Appl Neurobiol*. 2010;36:388-98. (IHC-FS)
5. Liu S, Bubar MJ, Lanfranco MF, Hillman GR, Cunningham KA. Serotonin<sub>2C</sub> receptor localization in GABA neurons of the rat medial prefrontal cortex: implications for understanding the neurobiology of addiction. *Neuroscience*. 2007;146:1677-88. (WB)
6. Kumar GR, Shum L, Glaunsinger BA. Importin  $\alpha$ -mediated nuclear import of cytoplasmic poly(A) binding protein occurs as a direct consequence of cytoplasmic mRNA depletion. *Mol Cell Biol*. 2011;31:3113-25. (WB)
7. Gao H, Yallampalli U, Yallampalli C. Maternal protein restriction reduces expression of angiotensin I-converting enzyme 2 in rat placental labyrinth zone in late pregnancy. *Biol Reprod*. 2011;86:31. (WB)
8. Gao H, Yallampalli U, Yallampalli C. Protein restriction to pregnant rats increases the plasma levels of angiotensin II and expression of angiotensin II receptors in uterine arteries. *Biol Reprod*. 2012;86:68. (WB)
9. Bouchez I, Pouteaux M, Canonge M, Genet M, Chardot T, Guillot A, et al. Regulation of lipid droplet dynamics in *Saccharomyces cerevisiae* depends on the Rab7-like Ypt7p, HOPS complex and V1-ATPase. *Biol Open*. 2015;00:pii: bio.20148615. (WB)
10. Yang G, Holl TM, Liu Y, Li Y, Lu X, Nicely NI, et al. Identification of autoantigens recognized by the 2F5 and 4E10 broadly neutralizing HIV-1 antibodies. *J Exp Med*. 2013;210:241-56. (Multiplex)
11. SouthernBiotech published data (IHC-PS)

Cy® is a registered trademark of Global Life Sciences Solutions Germany GmbH.

Alexa Fluor® 488, 647, and 555 are provided under an Intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The buyer cannot sell or otherwise transfer (a) this product (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components in manufacturing; (2) use of the product or its components to provide a service, information, or data; (3) use of the product or its components for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research. For information on purchasing a license to this product for any other use, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or [outlicensing@lifetech.com](mailto:outlicensing@lifetech.com).