

## Product Datasheet

# Sheep IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated (orb347926)

<b>Catalog Number</b>	orb347926
<b>Category</b>	Antibodies
<b>Description</b>	Sheep IgG F(ab') <sub>2</sub> antibody (Peroxidase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	HRP
<b>Reactivity</b>	Sheep
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	1.5 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Sheep IgG, Sheep IgG F(ab') <sub>2</sub> and Sheep Serum. No reaction was observed against Sheep IgG F(c).
<b>Immunogen</b>	Sheep IgG F(ab') <sub>2</sub> fragment
<b>Tested applications</b>	ELISA, IHC, WB

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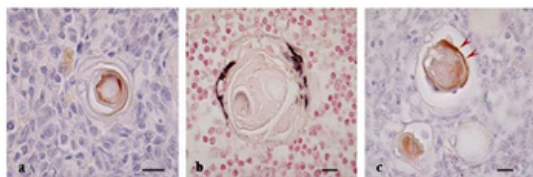
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<b>Dilution range</b>	ELISA: 1:10,000 - 1:50,000, IHC: 1:500 - 1:2,500, WB: 1:1,000 - 1:10,000
<b>Application notes</b>	This product has been assayed against 1.0 µg of Sheep IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Note</b>	For research use only



Immunohistochemistry results using rabbit anti-sheep IgG F(ab')<sub>2</sub> HRP. Antigen retrieval was performed by heating the paraffin sections in an autoclave at 121°C for 15 min. The paraffin sections were then treated with 10% normal sheep serum for staining against anti-human TSLP antibody. After several washes with PBS, the sections were stained with Peroxidase-conjugated affinity-purified anti-sheep IgG F(ab')<sub>2</sub> secondary antibody for 1.5 h. The samples were treated with 0.3% H<sub>2</sub>O<sub>2</sub> in cold methanol for 30 min. Finally, 0.1 mg/ml 3, 3'-diaminobenzidine tetrahydrochloride was applied to sections for 10 min. The sections were counterstained with hematoxylin. (a, b) Immunohistochemical localization of Lag-positive cells in Hassal's corpuscles of the thymus at 5 months (a, brown) and 8 months (b, dark blue) of human ontogeny. (c) Immunohistochemical localization of TSLP-R (brown, arrowheads) in Hassal's corpuscles of the thymus at 5 months of gestation. Bars 10 µm.

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