

Product datasheet

Goat F(ab) Anti-Rat IgG H&L (Biotin) ab7176

Overview

Product name	Goat F(ab) Anti-Rat IgG H&L (Biotin)
Host species	Goat
Target species	Rat
Specificity	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).
Tested applications	Suitable for: ICC/IF, Dot blot, WB, ELISA, IHC, Immunomicroscopy
Immunogen	Rat IgG whole molecule
Conjugation	Biotin

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium Azide Constituents: 10mg/ml BSA (IgG and protease free), 0.15M Sodium Chloride, 0.02M Potassium Phosphate. pH 7.2
Purification notes	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation.
Conjugation notes	Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) Biotin/Protein Ratio: 10-20 BAC molecules per Goat IgG Fab molecule
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab7176** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		
Dot blot		
WB		
ELISA		
IHC		
Immunomicroscopy		

Application notes

Dot: Use at an assay dependent dilution.
 ELISA: 1/20000 - 1/110000.
 IHC: Use at an assay dependent dilution.
 IM: Use at an assay dependent dilution.
 WB: Use at an assay dependent dilution.

This product has been assayed against 1.0 µg of Rat IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1/20000 to 1/110000 of the reconstitution concentration is suggested for this product.

Suitable for other antibody based assays using streptavidin or avidin conjugates requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.

Not tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

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