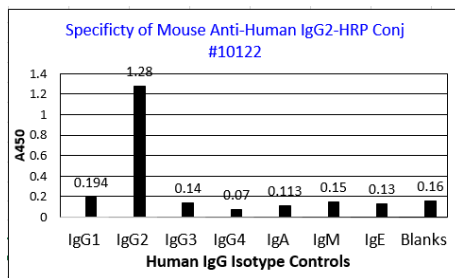


Product Data Sheet

Mouse Anti-Human IgG2 (Fc region) Antibodies and Conjugates

<input type="checkbox"/> Cat# 10122-UL	Mouse Anti-Human IgG2, unlabeled	Size: 100 ug
<input type="checkbox"/> Cat# 10122-BT	Mouse Anti-Human IgG2-Biotin conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 10122-FITC	Mouse Anti-Human IgG2-FITC conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 10122-AP	Mouse Anti-Human IgG2-Alk. Phos. Conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 10122-PE	Mouse Anti-Human IgG2-PE (phycoerythrin) conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 10122	Mouse Anti-Human IgG2-HRP conjugate	Size: 0.5 ml

Human serum IgG2 (WHO/IUIS Study # HP6002) was used as source of antigen to produce monoclonal antibodies. The resulting antibodies have been extensively purified to remove other contaminating antibodies. This monoclonal antibody (isotype IgG1) is specific for human IgG2 (Fc region). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-human IgG2 was labeled with highly purified preparation of calf intestinal alkaline phosphatase, HRP, Biotin or FITC. The product reacts with human IgG2 and no antibody is detected to other serum proteins. Species cross reactivity is not known.



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Specificity of the anti-human IgG2 was tested using HRP conjugate form on various IgG isotype coated wells. The antibody is specific for human IgG2.

Form and Storage

Cat# 10122-UL, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** or **liquid** form. Reconstitute powder in PBS to prepare stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Cat# 10122-FITC, FITC-conjugate

Purified antibody was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA, 40% glycerol and 0.05% azide. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence.

Absorption Wavelength: 495 nm

Emission Wavelength: 528 nm

Cat# 10122-BT, Biotin-conjugate

Purified antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 1% BSA and 0.05% azide. Reconstitute powder in water to make stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:5,00-1:5,000 ELISA.

Cat# 10122, HRP-conjugate

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% proclin-300 as preservative in , either **lyophilized**. Reconstitute powder in 0.5 ml water to make stock solution. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:5,00-1:5,000 ELISA.

Cat# 10122-AP, AP-conjugate

The conjugate is provided as liquid in a stabilizing buffer (50 mM Tris-150 mM NaCl-1 mM MgCl2, pH 7.5, containing 1% bovine serum albumin, 0.05% sodium azide and 50% glycerol). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions. Suggested conjugate dilutions are 1:5,00-1:5,000 ELISA.

Cat# 10122-PE, PE-conjugate

The purified antibody was coupled to R-Phycoerythrin (R-PE) (Molecular Weight 240,000 daltons) from seaweed using proprietary methods (A565nm/A280nm ~3-4).

Absorption: 490 nm, 545 nm and 565 nm

Emission Wavelength: 580 nm

The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide and stabilizing agent). **DO NOT FREEZE**. The product should be stored at 4oC and is stable for a minimum of 1 year. Do not store diluted solutions.

Recommended usage is ~10 ul/10⁶ cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given applications

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions and prepared immediately before use.

References: 1. Jefferis, R (1985) Immunol. Lett. 10, 223; Goldbalt, D (1993) J Immunol. Methods. 166, 281; Hamilton, R (1993) J Immunol. Methods. 158, 107
This product is for in vitro research use only.

Related Material available for ADI

Human IgA, IgG, IgM, and IgE ELISA kits

10122-Anti-Human-IgG2-Conjugate

160113A