

Datasheet for ABIN135622

Mouse anti-Human IgG1 (Hinge Region) Antibody**1** Image**4** Publications[Go to Product page](#)

Overview

Quantity: 500 µg

Target: IgG1

Binding Specificity: Hinge Region

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Application: ELISA

Product Details

Clone: 4E3

Isotype: IgG1

Specificity: Reacts with the hinge region of the heavy chain of human IgG1 as demonstrated by ELISA

Purification: Purified

Target Details

Target: IgG1

Abstract: [IgG1 Products](#)

Target Type: Antibody

Application Details

Application Notes:	Working Dilution: Immunofluorescence: 1 µg/10 ⁶ cells Representative data are included in this product insert. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0.
Preservative:	Azide free
Handling Advice:	Dilute only prior to immediate use Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C

Publications

Product cited in:	Gao, Moore, Porcheray, Rong, Abidoglu, DeVito, Paine, Girouard, Saidman, Schoenfeld, Levin, Wong, Elias, Schuetz, Rosales, Fu, Zorn: "Pretransplant IgG Reactivity to Apoptotic Cells Correlates With Late kidney Allograft Loss." in: American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons , Vol. 14, Issue 7, pp. 1581-91, (2014) (PubMed). Jackson, Lucas, Melancon, Desai: "Clinical relevance and IgG subclass determination of non-HLA antibodies identified using endothelial cell precursors isolated from donor blood." in: Transplantation , Vol. 92, Issue 1, pp. 54-60, (2011) (PubMed). Xu, Chen, Zhao: "High potential to reverse the inhibition of myeloperoxidase by ceruloplasmin of anti-myeloperoxidase autoantibodies of IgG3 subclass." in: Autoimmunity , (2011) (PubMed). Xu, Chen, Cui, Zhao: "Influence of myeloperoxidase by anti-myeloperoxidase antibodies and its
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association with the disease activity in microscopic polyangiitis." in: **Rheumatology (Oxford, England)**, Vol. 49, Issue 11, pp. 2068-75, (2010) ([PubMed](#)).



ELISA

Image 1. FLISA plate was coated with purified human IgG1, IgG2, IgG3, and IgG4. Immunoglobulins were detected with serially diluted Mouse Anti-Human IgG1 Hinge-AF488.