

Datasheet for ABIN302063

Mouse anti-Human IgG Fc (Fc Region) Antibody (HRP)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	IgG Fc
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	HRP
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Fusion protein of human IgG Fc fragment.
Clone:	EM-07
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody EM-07 reacts with Fc part of human IgG heavy chain and with isolated Fc fragments.
Cross-Reactivity (Details):	Human, Other not determined
Purification:	Purified antibody is conjugated with activated horseradish peroxidase (HRP) of high specific enzyme activity under optimum conditions and unconjugated antibody and free HRP are removed by size-exclusion chromatography.

Target Details

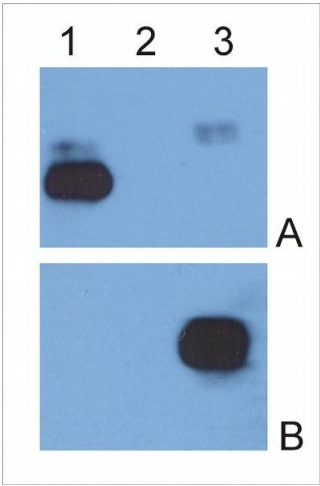
Target:	IgG Fc
Alternative Name:	IgG (Fc)
Target Type:	Antibody
Background:	Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75 % of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.,Immunoglobulin G Fc fragment
Molecular Weight:	150 kDa

Application Details

Application Notes:	Western blotting and ELISA: The peroxidase conjugate of this antibody is suitable for detection of human IgG Fc fragments. The antibody EM-07 does not crossreact with IgM.
Comment:	The purified antibody is conjugated with Horseradish Peroxidase (HRP) of high specific activity and RZ=3.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 0.01 % thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Western Blotting

Image 1. IgG κ light chain (1), IgG λ light chain (2) and IgG Fc fragment (3) purified from human serum were analysed by Western blotting with MEM-09 antibody against IgG κ light chain (A) and EM-07 antibody against IgG Fc fragment (B).

ELISA

Image 2. ELISA detection of IgG in human serum using HRP conjugated EM-07 antibody against IgG Fc fragment.

