

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Goat Anti-Mouse IgM (H&L),pAb
Cat. No.:	A10001
Lot No.:	C60011704
Size:	2mL
Storage Condition:	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.


Quality Control

Concentration:	85 mg/mL by Refractometry
Physical State:	Lyophilized
Label:	Unconjugated
Host:	Goat
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	None
Preservative:	0.01% (w/v) Sodium Azide
Reconstitution Buffer:	Restore with deionized water (or equivalent)
Reconstitution Volume:	2.0 mL
Expiration:	Expiration date is one (1) year from date of opening
Background:	Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum.

Purity and Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in predominantly a single precipitin arc against Mouse IgM and Mouse Serum. No reaction was observed against Mouse IgG F(c). Some light chain cross reactivity may occur against Mouse IgG.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions(if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
Immunohistochemistry:	1:1,000 - 1:5,000
Western Blot:	1:2,000 - 1:10,000
Immunogen:	Mouse IgM whole molecule

Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:  Date: 04/19/2017
Product Department