

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** E01336M **Lot #:** 31J29917

**Description:** MAb to C-Peptide  
Monoclonal Antibody to C-Peptide

**Specificity:** Recognizes human C-peptide. Does not crossreact with human, bovine, porcine and mouse/rat insulin. Binds with equal efficiency to the human free C-peptide and C-Peptide region in proinsulin molecules. Antigenic determinants identified by MAbs are in the three-dimensional structure generated by N- and C-Terminal regions of the C-peptide separated by  $\beta$ -turn at position 47-50 of proinsulin.

**Host Animal:** Mouse **Isotype:** IgG<sub>1</sub> kappa

**Source:** Ascites

**Immunogen:** Recombinant C-Peptide

**Format:** Purified, Liquid

**Purification:** > 90% pure (SDS-PAGE). Protein A Chromatography

**Concentration:** 7.9 mg/mL (OD280nm,  $E^{0.1\%} = 1.4$ )

**Buffer:** Phosphate Buffered Saline, pH 7.4

**Preservative:** 0.09% Sodium Azide

**Applications:** C-peptide Detection: Suitable for use in competitive ELISA or RIA detection of C-peptide in human serum after immunospecific removal of proinsulin with E01339M or E01338M bound to a solid phase.  
Immunosorbent: May be used as a specific immunosorbent of total proinsulin and C-peptide molecules from serum samples before the measurement of human insulin.  
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.

**Storage:** Store at 2-8°C.

**Safety Notes(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

*Deborah L. Orr*

12 February 2018

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**