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## CERTIFICATE OF ANALYSIS

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

**Catalog #:** P87535M **Lot #:** 2K32915

**Description:** MAb to CD147  
Monoclonal Antibody to Human CD147 (Neurothelin)

**Specificity:** Recognizes human CD147. Reacts with an epitope in the N-terminal Ig domain (D1). Recognizes a 50-60 kDa glycoprotein also known as neurothelin and basigin. CD147 is expressed on peripheral blood cells and by endothelial cells. Expression is increased on T cells following activation.

**Clone:** MEM-M6/1

**Host Animal:** Mouse. Hybridization of Sp2/0 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgG<sub>1</sub>

**Source:** Ascites

**Immunogen:** Soluble recombinant CD147Rg (extracellular region).

**Format:** Purified, Liquid

**Purification:** Protein A Chromatography

**Concentration:** 1.0 mg/mL (OD280nm)

**Affinity Constant:**  $1.91 \times 10^{10}$

**Buffer:** PBS, pH 7.4

**Preservative:** 0.09% Sodium Azide

**Applications:** Suitable for use in flow cytometry (1:10–1:50), Immunoprecipitation, and Western blot (non-reducing conditions). 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:** Short term, store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze-thaw cycles.

**Warning:** This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

**References:** The references listed below are for research purposes only:  
1. Koch, C., et al., (1999), "T cell activation-associated epitopes of CD147 in regulation of the T cell response and their definition by antibody affinity and antigen density", International Immunology, **11**(5): 777–786.  
2. Reimers, N., et al., (2004), "Expression of extracellular matrix metalloproteases inducer on micrometastatic and primary mammary carcinoma cells", Clinical Cancer Research, **10**(10): 3422–3428.

Signature

30 Nov 2015

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**