

## CD147 Antibody [clone 8D6] (V2015)

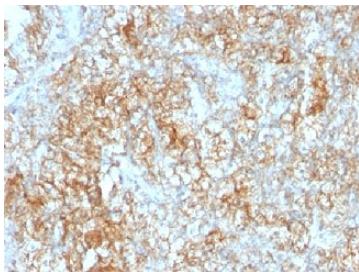
Catalog No.	Formulation	Size
V2015-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2015-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2015SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2015IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



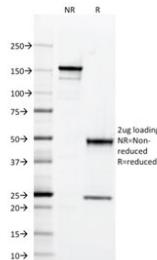
Citations (7)

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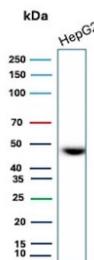
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	8D6
Purity	Protein G purified CD147 antibody
Buffer	1X PBS, pH 7.4
Gene ID	682
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 2-4ug/ml Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This <b>CD147 antibody</b> is available for research use only.



IHC testing of FFPE human renal cell carcinoma with CD147 antibody (clone 8D6).



SDS-PAGE analysis of purified, BSA-free CD147 antibody (clone 8D6) as confirmation of integrity and purity.



Western blot testing of human HepG2 cell lysate with CD147 antibody. Predicted molecular weight: ~27 kDa (unmodified), 43-66 kDa (glycosylated).

## Description

This antibody recognizes extracellular epitope 2 within the N-terminal Ig domain of human CD147. It is expressed more intensely on thymocytes than on mature peripheral blood T cells. CD147 is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. CD147 stimulates the production of interstitial collagenase, gelatinase A, stromelysin-1 and various metalloproteinases (MMPs) by fibroblasts. These enzymes are important factors in cancer invasion and metastasis.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD147 antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human T cell line Molt-13 was used as the immunogen for this CD147 antibody.

## Storage

Store the CD147 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## Alternate Names

5A11 Antigen; 5F7; Basigin; Blood brain barrier HT7 antigen BSG; Extracellular Matrix Metalloproteinase Inducer (EMMPRIN); Leukocyte Activation Antigen M6; Neurothelin; OK Blood Group Antigen; TCSF; Tumor Cell-derived Collagenase Stimulatory Factor, CD147 antibody

## References (1)