

# IHC*easy* CD147/BSG Ready-To-Use IHC Kit

Catalog Number: **KHC0607**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## Kit Component

| Component                | Size               | Concentration |
|--------------------------|--------------------|---------------|
| Antigen Retrieval Buffer | 100 mL             | 50×           |
| Washing Buffer           | 100 mL ×2          | 20×           |
| Blocking Buffer          | 5 mL               | RTU           |
| Primary Antibody         | 5 mL               | RTU           |
| Secondary Antibody       | 5 mL               | RTU           |
| Chromogen Component A    | 0.2 mL             | RTU           |
| Chromogen Component B    | 4 mL               | RTU           |
| Signal Enhancer          | 5 mL               | RTU           |
| Counter Staining Reagent | 5 mL               | RTU           |
| Mounting Media           | 5 mL               | RTU           |
| Control Slide            | 1 slide (Optional) | FFPE          |
| Datasheet                | 1 Copy             |               |
| Manual                   | 1 Copy             |               |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

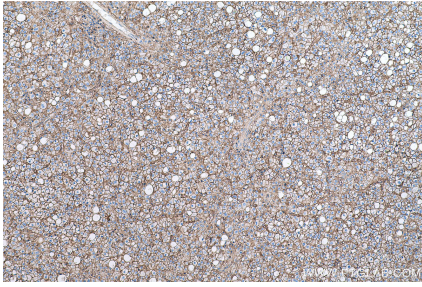
## Background

BSG, also named as 5F7, Basigin, EMMPRIN, TCSF and CD147, plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). CD147 may target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA, inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix, plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.

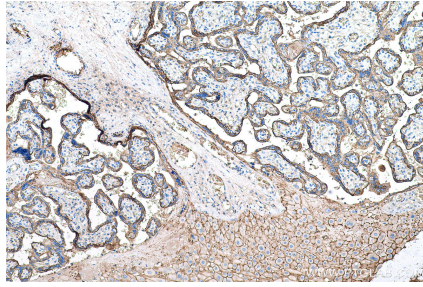
## Synonyms

5F7, Basigin, basigin (Ok blood group), BSG, CD147, Collagenase stimulatory factor, EMMPRIN, HAb18G, M6, OK, OK blood group antigen, TCSF

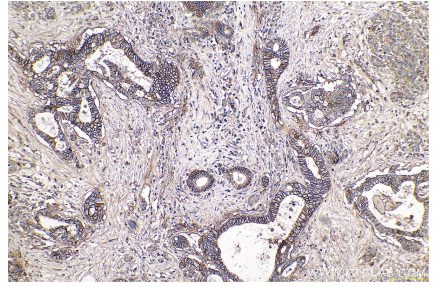
## Selected Validation Data



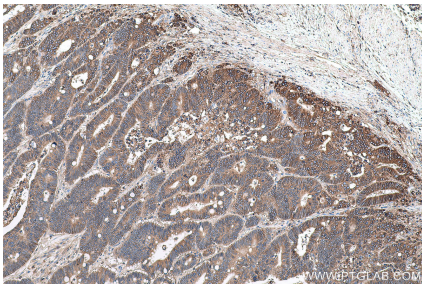
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0607 (CD147/BSG IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC0607 (CD147/BSG IHC Kit).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0607 (CD147/BSG IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0607 (CD147/BSG IHC Kit).