

## Product datasheet

# Anti-CD147 antibody ab11572

### 2 References

#### Overview

<b>Product name</b>	Anti-CD147 antibody
<b>Description</b>	Goat polyclonal to CD147
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant extracellular domain (Human), expressed in mouse myeloma NSO cells.
<b>General notes</b>	Do not store in frost-free freezer. Endotoxin level is < 15 ng/mg antibody as determined by the LAL (Limulus amoebocyte lysate) method.

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

Our [Abpromise guarantee](#) covers the use of **ab11572** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		
WB		
ELISA		

## Application notes

IHC-P: 1/25.

ELISA: Use at a concentration of 0.5 - 1 µg/ml. The detection limit for recombinant mouse EMMPRIN is approximately 0.2 ng/well.

WB: Use at a concentration of 0.1 - 0.2 µg/ml. The detection limit for mouse EMMPRIN is approximately 1 ng/lane under non-reducing and reducing conditions. Detects a band of approximately 58 kDa.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

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### Function

Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.

### Tissue specificity

Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.

### Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

### Post-translational modifications

N-glycosylated.

### Cellular localization

Cell membrane. Melanosome. Colocalizes with SLC16A1 and SLC16A8 (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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