

## Anti-CD147 [OX-114] Standard Size Ab00578-2.0

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** OX-114

**Alternative Name(s) of Target:** Basigin; basic immunoglobulin superfamily; HT7 antigen; membrane glycoprotein gp42; gp42; gp-42; OX114; MRC OX-114; MRC OX114

**UniProt Accession Number of Target Protein:** P18572

**Published Application(s):** IP, WB, FC, IHC

**Published Species Reactivity:** Mouse

**Immunogen:** OX-114 was generated by immunizing rats with recombinant mCD147d0-2rCD4d3+4.

**Specificity:** OX-114 binds to both the 2- and 3-domain isoforms of CD147. CD147 targets monocarboxylate transporters to the plasma membrane, and is involved in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates production of matrix metalloproteases. Possibly a receptor for oligomannosidic glycans. CD147 found 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.

**Application Notes:** This antibody binds mouse CD147, and has been used in FC and IHC for analysis to characterise CD147 and detect the cell types on which it is expressed, indicating that CD147 is a lymphocyte activation marker (Paterson, 1987). This antibody failed to give immunoprecipitates from radiolabelled activated T cells.

**Antibody First Published in:** Hanna et al. A novel form of the membrane protein CD147 that contains an extra Ig-like domain and interacts homophilically. BMC Biochem 4:17 2003 [PMID:14606962](#)

**Note on publication:** Describes the original use of this antibody as part of FC and IP studies to identify new markers for activated T cells.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.