Anti-CD147 [OX-47] Standard Size Ab00573-23.0

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

Isotype and Format: Rabbit IgG, Kappa
Clone Number: OX-47
Alternative Name(s) of Target: Basigin; BSG; extracellular matrix metalloproteinase inducer; EMMPRIN; Glycoprotein CE9; OX-47 antigen
UniProt Accession Number of Target Protein: P26453
Published Application(s): RIA, WB, FC, IHC-Fr
Published Species Reactivity: Rat
Immunogen: Mice immunized with rat T blasts from a mixed lymphocyte reaction between purified CD4+ T cells and irradiated spleen cells.
Specificity: This antibody is specific for rat CD147, which has a broad distribution; OX-47 labels T and B cell blasts, peritoneal macrophages, the endothelium of all except large vessels and kidney tubules, but does not label TDL and thymocytes.
Application Notes: This antibody binds mouse CD147, and has been used in FC and IHC-fr 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: Paterson et al. Antigens of activated rat T lymphocytes including a molecule of 50,000 M r detected only on CD4 positive T blasts Molecular Immunology, 1987, Vol.24(12), pp.1281-1290 PMID:2828930
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^{o}C for up to 3 months. For longer storage, aliquot and store at -

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20ºC.

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.

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