

Product datasheet for **SM2094PS**

Bsg Rat Monoclonal Antibody [Clone ID: OX114]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX114
Applications:	FC, IHC, WB
Recommended Dilution:	Western Blot. Flow Cytometry: Use 10 µl of 1/25-1/50 diluted antibody to label 1 ⁰ cells in 100 µl. Antibody is routinely tested in Flow Cytometry on Mouse splenocytes. Note that for staining of whole blood samples, increased amounts of antibody may be required due to the presence of CD147 on erythrocytes. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein mCD147dO-2rCD4d3 +4.
Specificity:	This antibody recognises CD147 (also known as basigin). OX-114 recognizes both isoforms of CD147, the common form containing 2 Ig-like domains and the rare form containing 3 Ig-like domains.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	basigin
Database Link:	Entrez Gene 12215 Mouse P18572
Background:	CD147 is a cell surface glycoprotein that is widely expressed on leukocytes, red cells, platelets and endothelial cells. The reported functions of CD147 are diverse and include involvement in T-cell activation, cell adhesion and induction of matrix metalloproteinases.
Synonyms:	Basigin, BSG, EMMPRIN, TCSF