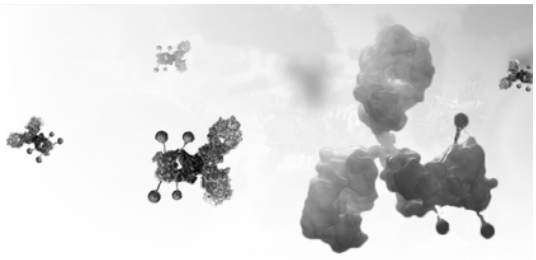

Anti-BSG monoclonal antibody, clone OX-47 [FITC] (CABT-47094MR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Rat CD147 antibody, clone OX-47 recognizes a membrane glycoprotein of MW 42-48 kD expressed at high levels on activated lymphocytes but lower levels on resting cells. The antigen is also present on some endothelia. The antigen contains two Ig-like domains and an unusual transmembrane domain with a charged residue. It is abundant on activated lymphocytes: it is the homologue of the chicken blood brain barrier antigen HT7. Mouse anti Rat CD147 antibody, clone OX-47 is reported to be suitable for use in Western blotting. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD147
Immunogen	T blasts from a mixed lymphocyte reaction
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	OX-47
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. This product is photosensitive and should be

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Bsg basigin (Ok blood group) [Rattus norvegicus (Norway rat)]
Official Symbol	BSG
Synonyms	BSG; basigin (Ok blood group); CE9; HT7; 5A11; Ox47R; EMMPRIN; basignin; basigin; neurothelin; OX-47 antigen; glycoprotein CE9; Basigin (Ox47 antigen or CE-9) (EMMPRIN in human) (neurothelin HT7 or 5A11 in avian); Basignin (Ox47 antigen or CE-9) (EMMPRIN
Entrez Gene ID	25246
Protein Refseq	NP_001103352
UniProt ID	P26453
Chromosome Location	7q11
Pathway	Basigin interactions; Cell surface interactions at the vascular wall; Degradation of the extracellular matrix; Extracellular matrix organization; Hemostasis; Integrin cell surface interactions; Matrix Metalloproteinases; Metabolism;
Function	mannose binding; protein binding;

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