

Product datasheet for **TA385998**

CD147 (BSG) Mouse Monoclonal Antibody [Clone ID: Ab-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ab-1
Applications:	BI, ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Recombinant ectodomains of human basigin.
Specificity:	The antibody binds to basigin with an affinity (Kd) of 4 nM reported for the original antibody.

The antibody binds specifically to basigin, a protein of the immunoglobulin superfamily which is expressed on the surface of erythrocyte and acts as a receptor for the human malaria parasite *P. falciparum*. The recombinant chimeric monoclonal antibody Ab-1 acts by blocking the interaction between basigin and PfRH5, a ligand necessary for the *P. falciparum* erythrocyte invasion, thereby inhibiting the development of malaria.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	basigin (Ok blood group)
Database Link:	Entrez Gene 682 Human P35613
Synonyms:	5F7; basigin; CD147; EMMPRIN; M6; OK; TCSF



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