Description	**Fluorescein isothiocyanate-conjugated bovine serum albumin, Cohn fraction V**
Product code	BSA/FITC
Biological origin	Pooled normal bovine serum
Physical form	Fluorochrome-coupled bovine serum albumin, fraction V, lyophilized from a solution in phosphate buffered saline (PBS pH 7.2).
Preservative	No preservative added.
Identity	Confirmed by immunoelectrophoresis and double radial immunodiffusion (Ouchterlony) using antisera to bovine total serum proteins, to bovine IgA, IgM and albumin
Purity	Purification according to the method of Cohn (J. Amer. Chem. Soc. **68** (1946), 459). Not less than 90% as tested in immuno electrophoresis. Tested in a concentration of 20 mg/ml at the level of sensitivity of the applied immuno-precipitating techniques, this product contains traces transferrin and some alpha-proteins.
Physicochemical characteristics	BSA concentration 10 mg/ml. Fluorochrome/BSA molar ratio (F/P) 1.2.
Fluorescent marker	Fluorescein isothiocyanate isomer 1. Excitation: 492 nm, emission: 515 nm.
Conjugation procedure	A proprietary technique for the binding to FITC is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.
Intended use	As an efficient counterstain for cell an tissue substrates with immunoconjugates with a label contrasting with the greenish-yellow fluorescence of BSA/FITC. The purpose of counterstaining is to enhance the optical contrast of the immuno-specific staining against a counterstained background.
Handling	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water. Spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.
Packing	Vial with 1ml lyophilized conjugate.
Storage / shelf life	Lyophilized at +4° C — at least 10 years reconstituted at or below -20° C — 3-5 years reconstituted at +4° C — 7 days
Caution	This product should be handled only by qualified persons and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* laboratory research purposes only.

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