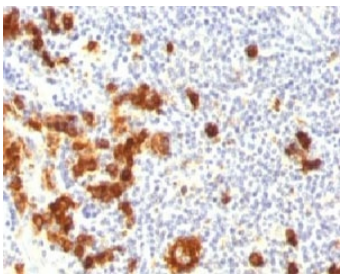
SSEA-1 Antibody Cocktail [clone FUT4/815 + BRA-4F1] (V2524)

Catalog No.	Formulation	Size
V2524-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2524-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2524SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2524IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	FUT4/815 + BRA-4F1
Purity	PEG precipitation
UniProt	P22083
Localization	Cytoplasmic and cell surface
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This SSEA-1 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human Hodgkin's lymphoma stained with SSEA-1 antibody (FUT4/815 + BRA-4F1).

Description

SSEA-1/CD15 plays a role in mediating phagocytosis, bactericidal activity, and chemotaxis. It is present on >95% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. In addition, it is expressed in Reed-Sternberg cells and some epithelial cells. SSEA-1/CD15 antibody is very useful in the identification of Hodgkin s disease. CD15 is occasionally expressed in large cell lymphomas of both B and T phenotypes which otherwise have a quite distinct histological appearance.

For extensively published CD15 detection in Hodgkin lymphoma and leukocyte differentiation studies, see our CD15 Antibody / Leukocyte Differentiation Antigen Antibody page featuring clone Leu-M1/MMA with IHC, IF, and FACS validation data.

Application Notes

Optimal dilution of the SSEA-1 antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Purified human neutrophils (FUT4/815) and Myelomonocytic leukemia cells (BRA-4F1) were used as the immunogen for the SSEA-1 antibody cocktail.

Storage

Store the SSEA-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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