

PSGL1 | Validation File

TARGET PSGL1 (Selectin P)/CD162

CLONE NAME FLEG

DESCRIPTION mouse monoclonal

ANTIGEN USED Karpas 299 cell line (Human T cell lymphoma)

ISOTYPE IgG2a

SPECIES REACTIVITY human (N-terminal region of PSGL-1)

LOCALIZATION membrane

POSITIVE CONTROL tonsil

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

 Not Tested

APPLICATIONS

● | WB | **Western Blotting**

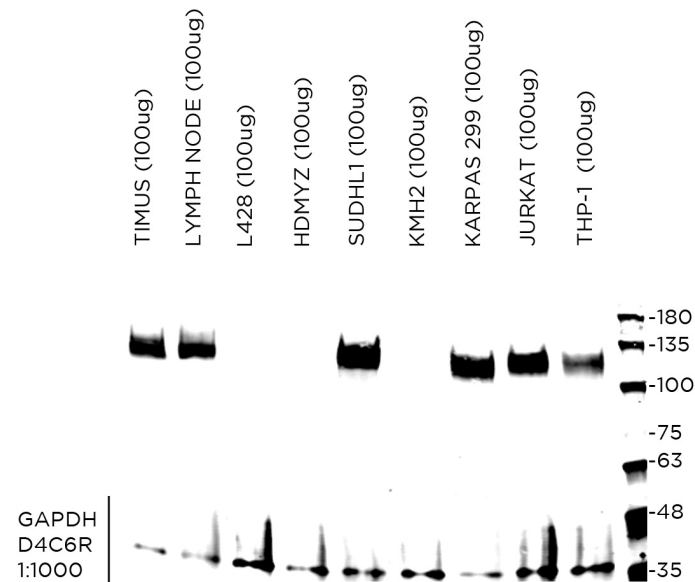
FLEG mAb is able to detect human PSGL1 protein by WB.

DILUTION neat supernatant

Predicted molecular weight: **90kDa**
Observed molecular weight: **120kDa**

LANES

Lane 1 Thymus	(100ug) (+)
Lane 2 lymph node	(100ug) (+)
Lane 3 L428 cell line	(100ug) (-)
Lane 4 HDMYZ cell line	(100ug) (-)
Lane 5 SUDHL1 cell line	(100ug) (+)
Lane 6 KMH2 cell line	(100ug) (-)
Lane 7 KARPAS299 cell line	(100ug) (+)
Lane 8 Jurkat cell line	(100ug) (+)
Lane 9 THP-1 cell line	(100ug) (+)

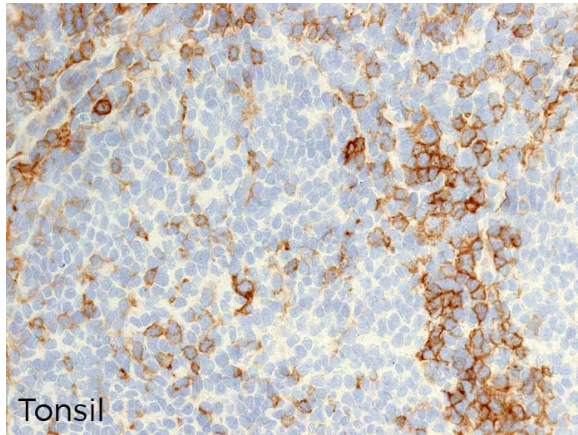


● | IHC-F | **Immunohistochemistry (frozen)**

FLEG mAb can be used to detect PSGL1 protein in human frozen tissues.

TISSUE SAMPLE Human tonsil

DILUTION neat supernatant



● | IHC-P | **Immunohistochemistry (paraffin)**

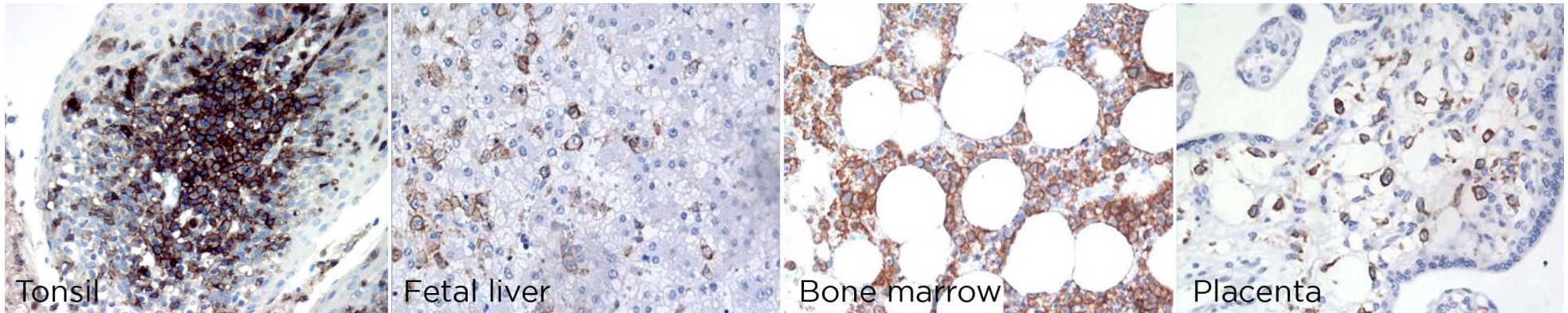
FLEG mAb can be used to detect PSGL1 protein in human paraffin tissues

TISSUE SAMPLE Human tonsil, fetal liver, bone marrow and placenta

DILUTION neat supernatant

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)

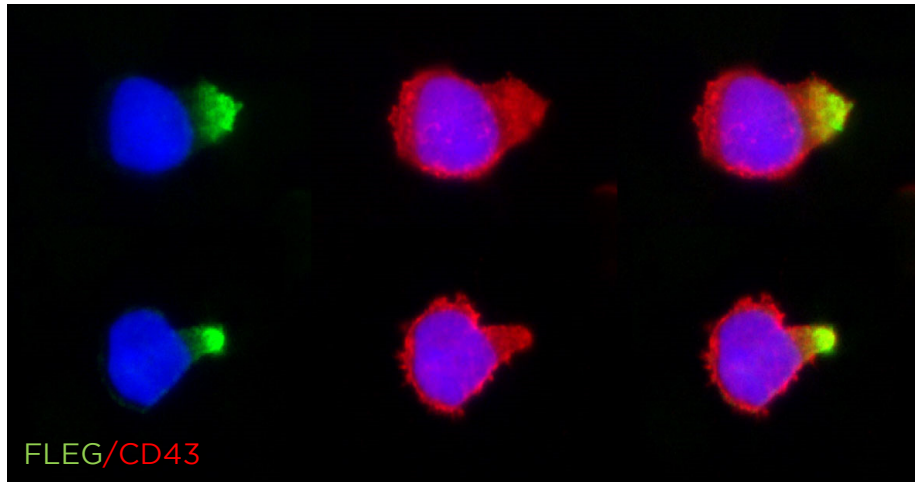


● | IF | **Immunofluorescence (paraffin)**

FLEG (JS74A) mAb can be used to detect PSGL1 protein by immunofluorescence

TISSUE SAMPLE Human lymphocytes

DILUTION FLEG neat supernatant (green) and CD43 1:50 (red)

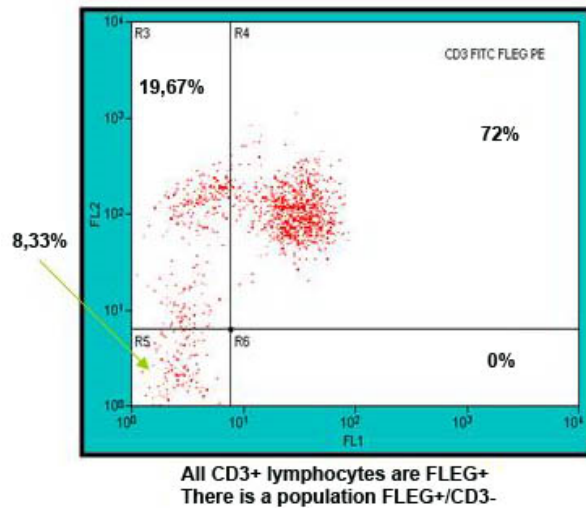


● | FC | **Flow Cytometry**

FLEG (JS74A) mAb can be used to detect PSGL1 protein by flow cytometry

SAMPLE Human tonsil cell extract

DILUTION 50ul supernatant/one million cells/tube
Anti-CD3 antibody was diluted 1:200



● | ICC | **Immunocytochemistry** Not Tested

● | IP | **Immunoprecipitation** Not Tested

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REFERENCES

Rathod KS, Kapil V, Velmurugan S, Khambata RS, Siddique U, Khan S, Van Eijl S, Gee LC, Bansal J, Pitrola K, Shaw C, D'Acquisto F, Colas RA, Marelli-Berg F, Dalli J, Ahluwalia A. Accelerated resolution of inflammation underlies sex differences in inflammatory responses in humans. . J Clin Invest. 2017 Jan 3;127(1):169-182.

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