

# Cutaneous Infiltrates

## Non-Lymphoid

(Weedon Chapter 40)

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Stains that are positive with plasma cells include all except:

- A. CD117
- B. CD79a
- C. CD38
- D. Lambda
- E. PAS

# Answer A

- CD117 is a marker of mast cells, staining c-kit.

# Immunohistochemical comparison

| Stain        | Macrophage | Langerhans cell |
|--------------|------------|-----------------|
| S100         |            |                 |
| Factor XIIIa |            |                 |
| CD1a         |            |                 |
| CD45         |            |                 |
| CD68         |            |                 |

# Immunohistochemical comparison

| Stain        | Macrophage | Langerhans cell |
|--------------|------------|-----------------|
| S100         | -          | +               |
| Factor XIIIa | -          | -               |
| CD1a         | -          | +               |
| CD45         | +          | +               |
| CD68         | +          | -               |

# Langherans or non-Langerhans?

| Disease                               | Langerhans | Non-Langerhans |
|---------------------------------------|------------|----------------|
| Congenital self-healing histiocytosis |            |                |
| Benign cephalic histiocytosis         |            |                |
| Letterer-Siwe disease                 |            |                |
| Multicentric reticulohistiocytosis    |            |                |
| Familial histiocytic dermatoarthritis |            |                |

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| Disease                               | Langerhans | Non-Langerhans |
|---------------------------------------|------------|----------------|
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| Multicentric reticulohistiocytosis    |            | +              |
| Familial histiocytic dermatoarthritis |            | +              |